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PROGRESS REPORT

OF

FOREST ADMINISTRATION

IN THE

HYDERABAD ASSIGNED DISTRICTS

FOR

1892-93.

WITH A REVIEW BY THE RESIDENT AT HYDERABAD.

Hyderabad:
PRINTED AT THE RESIDENCY GOVERNMENT PRESS.
1893.

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No. 590-F., dated Simla, the 4th June 1894.

From—SIR E. C. BUCK, KT., C.S.I., Secretary to the Government of India, Department of Revenue and Agriculture,

To—The Resident at Hyderabad.

I AM directed to acknowledge the receipt of the Report on Forest Administration in the Hyderabad Assigned Districts for the period of fifteen months ending 30th June 1893, together with the Commissioner's remarks and your orders on the report.

2. The most noteworthy occurrence of the period was the issue, in June 1892 and in accordance with the provisions of the Berar Forest Law of 1886, of rules for the constitution and management of the various classes of State forests, according to the purpose intended to be served by each class. The rules have inaugurated a fresh era in the local administration. They have placed the forest policy to be pursued in Berar on an intelligible and well-defined footing, and are likely to prove of material benefit to the agricultural community. The State forests were diminished by 200 square miles, and their total area now amounts to 4,236 square miles, or 24 per cent. of the provincial area, distributed as follows, in accordance with the main purpose which each class of forest is designed to serve :—

Class A.—For timber and fuel...	1,323	square miles.
„ B.—For fodder and high grass	64	„
„ C.—For pasture	1,599	„
„ D.—Temporary (pending further classification) ...	1,250	„

Of the forest area temporarily included in the fourth category, it is anticipated that about 250 square miles will be made available for cultivation, leaving 1,000 for timber-growing or pasture ; some 4,000 square miles in all will thus be permanently maintained under forest. The Government of India observe that the repartition of forests of class "D" has advanced far towards completion, and for the reasons mentioned in their orders on the reports for 1891 and 1892, notice with satisfaction the promptitude with which the classification is being carried into effect.

3. The chief production of the "A" class of forests is intended to be timber and fuel, and working-plans for them will be drawn up mainly from this point of view, but, nevertheless, they constitute valuable and extensive fodder reserves. Such reserves will, even in ordinary years, admit of large quantities of grass being cut and harvested in places where the young tree-growth is sufficiently advanced, and in times of drought will support large numbers of cattle. The Government of India have read with interest the remarks made by Colonel Mackenzie on the advantages to the agriculturist of the system of cutting and storing grass for fodder. Such a system can, indeed, never enable the agriculturist to dispense with pasturage. But stall-feeding is a most valuable supplement to grazing: and His Excellency in Council would gladly see it promoted within reasonable limits, due regard being had to the wishes and sentiments of the people.

4. The necessity of actively proceeding with demarcation in conjunction with settlement of the forests was adverted to in the orders passed on the forest administration reports for 1890-91 and 1891-92. The report now under review does therefore have appropriately dealt specially with this subject, and have given some indication of the adequacy or otherwise of the existing delimitation. The Conservator has omitted to furnish the prescribed return showing the progress made in boundary work. Fair progress is observable in the preparation

of working-plans, most of which, when completed, will be of a simple, practical kind. Delay in the preparation of working-schemes was due to the want of sufficiently accurate maps, but will, it is understood, be shortly obviated by the issue of the small-scale maps referred to in paragraph 5 of the Conservator's report. In the construction of forest roads and buildings, a considerable quantity of work was done, the charges amounting to over 9 per cent. of the gross forest receipts. The Government of India have on previous occasions expressed their satisfaction at the lead taken by the local forest department in this direction, but concur in your opinion that the future rate of development should be considered in close connection with the general financial prospects of the Department.

5. The general protection of the forests appears to have been satisfactory. The recently enacted law permitted a large number of trivial offences, which would under the former system have been prosecuted in the Courts or condoned, to be compounded. For this reason, the results obtained cannot properly be compared with those of previous years. The number of Court cases decreased from 373 to 319, convictions being obtained in 79 per cent., as against 83 and 85 per cent. in the two years immediately preceding. The compositions accepted amounted to Rs. 605, in 65 per cent. of the total number of cases. Owing partly to an unfavourable season, the protection of the forests from fire was not so successful as in 1891-92. Of a total area of 45 square miles burned over, the burning of 40 square miles in the Akola District was due to the absence of ordinary measures of precaution on the part of the protective staff. With this exception, the results obtained were creditable. The whole of the timber-producing forests of the "A" class, as well as the fodder or 'B" reserves, were wholly or partially closed to grazing; but the greater portion of the forest area was open to grazing without restriction. This important subject has not been adequately treated by the Conservator, who should have indicated what action was taken whether in opening or closing the forests.

6. Owing to various unavoidable causes, amongst them administrative changes and unseasonable weather, both of which seriously interfered with work, the quantity of produce removed from the forests was considerably decreased, and the financial results correspondingly affected; the receipts, after taking account of the extra period of three months, having been less under every head. The causes adverted to will not, it is anticipated, affect the results in futur years.

	Year.	Receipts.	Charges.	Surplus.	Proportion of Surplus to gross revenue.
	Forest year 1892-93 *(1st July 1892 to 30th June 1893).*	Rs. 4,31,834	Rs. 2,49,527	Rs. 1,82,307	Per cent. 42
Financial year.	1892-93	4,31,017	2,29,231	2,01,786	47
	1891-92	5,11,185	1,98,366	3,12,819	61
	Difference in 1892-93 ...	—80,168	+30,865	—1,11,033	—14
	Average for the five years ending 1891-92 ...	4,50,652	1,79,563	2,71,089	60

7. In conclusion, I am to ask you to thank Colonel Mackenzie, an say that His Excellency in Council appreciates the services in connection local forest questions which his ripe experience of the Berars has enable to render to that Province.

No. 591-F.

COPY, with copy of the report, forwarded to the Foreign Dep information.

Appendix showing the discrepancies noticed in the Berar Forest Administration Report for 1892-93.

FORM NO. 46.

(*Area of District Unreserved Forests*).

Two, instead of 2,075, square miles is shown as the grand total area on 18th April 1892.

FORM NO 53.

(*Fire-protection*).

Six hundred and twenty-six, instead of 792,626, acres is shown as the total area attempted to be protected during the dry season of 1893.

FORM NO. 61.

(*Summary of Revenue and Expenditure*).

In this form, fractions of a rupee should not be shown (*vide* section 268 of Forest Code).

Commissioner's letter, paragraph 18, last clause.

The entire Provincial forest expenditure for the year 1892-93 (15 months) amounted to Rs. 3,05,665, and not Rs. 3,05,655 : the surplus was Rs. 2,32,844, and not Rs. 2,32,854 (*vide* Form No. 61 of Report).

G. C. Press, Simla.—No. 186 R. & A. D.—7-6-94.—275.

No. 403, dated Camp Chikalda, the 13th October 1893.

From—Colonel K. J. L. Mackenzie, Commissioner, Hyderabad Assigned Districts,

To—The Secretary for Berar to the Resident, Hyderabad.

I have the honor to forward my review on the Forest Administration Report for the year 1892-93, the proof copy of which only reached me from the Residency Press through the Conservator to-day, the 13th October. I mention this as the report is due with the Resident on the 1st October.

Classification of forest areas.

2. The feature of the year is the introduction of the Forest Law and practically a final settlement of the areas to be permanently reserved as forest.

We now have determined—*vide* Mr. Bagshawe's paragraph 2—to reserve

under A forest	...	...	...	1,322 square miles.
under B forest	...	...	...	63 square miles.
under C forest	...	...	...	1,598 square miles.
			Total ...	2,983 square miles.

This is absolutely settled. What remains is—

1st, to determine how much of the 1,250 square miles—at present under D forest, should go under any of the permanent heads A, B and C, and

2ndly, what additions should be made to B from C.

When we have settled everything, Mr. Bagshawe estimates that our forest areas of all kinds will finally be about 3,983 square miles. In round figures this will be about 23 per cent. of the total provincial area.

3. Under the first head, so far as our investigations have progressed, it is estimated that of the 1,250 square miles under D, 1,000 square miles will go to A and C, and the balance will be given back to the revenue authorities and be available, if required, for cultivation. It has been ascertained that no portion of the present D lands is suitable for B class forest.

4 The second head opens up really a very important question—the extension of our present fodder reserves, which, as the Resident is aware—*vide* the proposals recently submitted in connection with the lands around the Wadali, Kalapani, and other tanks—is not being overlooked.

In a country like Berar and in the vicinity of the thickly populated areas, it is impossible to over-rate the importance of fodder reserves. Any amount of grass that we can raise is too readily and thankfully taken. It is a question for experts to decide, and one of very great difficulty, the relative value of equal areas of land reserved for fodder, which is of course ungrazed, and the pasture reserves which are open the whole year to grazing. I refer to this incidentally, as I notice occasionally a disinclination to add to the former, *i.e.*, the fodder reserves, at the expense of the latter, *i.e.*, the pasture reserves—a disinclination which, as it seems to me, defers to custom and has no logical basis.

5. There is no doubt that in this matter we have much prejudice to contend against, much of it founded, I suspect, on ignorance. Some of the pasture lands, from natural circumstances, are not capable of growing fodder that it would pay to preserve and cut. In the absence of data, it is impossible to be dogmatic and to assert that the practice of England, founded on experience, would suit every part of India, but my personal leaning, so far as Berar goes, as expressed in previous reports, is to favor the gradual extension of fodder reserves; and to place fodder, *at reasonable rates*, at the disposal of the agriculturalist to help towards stall feeding his cattle.

It can hardly be denied, I think, that the more extensive the area open throughout the year [illegible] pasturage, the greater the ability to maintain weak and useless stock, and the greater the difficulty [illegible] improving the breed. This ability, too to let their cattle roam unchecked makes it impossible to [illegible]ctively control cattle-disease, which in epidemic form is, we know, periodically so disastrous [illegible]gricultural interests. Therefore it seems to me that the true solution is to facilitate stall [illegible]g, and to restrict the areas open to indiscriminate grazing. The subject requires, how[illegible]o be dealt with gradually, cautiously and carefully. The hope for Berar, in my view, [illegible] already there is a good deal more done in the stall feeding line than is generally recog[illegible] than is the case, I believe, in other parts of India. In the richest parts of Berar the [illegible]*olens volens*, stall feed the cattle actually in use —and here we find really some of [illegible] specimens of the breed, for which the province is noted.

[illegible]e above is the result of self-interest, bringing the old grazing lands under the [illegible]uch an extent that in some taluks the area available for grazing is extremely low. [illegible] in the Ellichpur and Daryapur taluks, the combined area of which is 974 square [illegible] forests aggregate 35,664 acres; the uncultivated occupied area (all which is cer[illegible]ler grass)—*vide* Resident's Proceedings No. 401, dated 31st January 1893,—is [illegible] These, on the entire area, together amount to about 7·9 per cent. If we omit [illegible] occupied, which it is not safe to rely upon, the C forests give only 5·7 per [illegible] for grazing.

[illegible]ly due, it should be observed, to the action of the people themselves, and not [illegible]

[illegible] bearing on the decision to be ultimately arrived at, it may be noted, as was [illegible]tion with the Wadali case, that the fodder reserves, which were all auc-

tioned, returned in 1891-92, to the Forest Department, Rs. 1-0-6 per acre, while —see paragraph 19 of Mr. Bagshawe's present report—the value of pasturage per acre is only Rs. 0-1-4, realized on fixed grazing dues. It might appear to the Resident, if he analyzed the figures in Mr. Bagshawe's report, paragraph 31, that the real value of grass sold from the fodder reserves was Rs. 1-3-6 per acre, but these figures include grass sold from A forests as well as from the fodder reserves B. If the value of grass sold from A forests be deducted, then the grass sold from fodder reserves B, it will be found, has yielded about Rs. 1-0-6 per acre as above stated.

I may add, though I cannot now verify the fact, that an auction purchaser of a fodder reserve—in the vicinity of Amraoti—admitted having made twelve times the auction price; which shows how profitable these areas are. Our true policy, it seems, is to get rid of the middle man and to deal with the community direct—at rates which would be low, compared with the present retail rate, but would be sufficiently remunerative to the Government. One possible way of doing this—at any rate with fodder reserves not in the vicinity of large towns—would be to give the village or villages, from their position interested in the fodder reserve, the option of buying it for their own use—at an upset figure not in excess of the revenue survey assessment on the lands.

A trial of some such system might possibly remove existing local prejudice to the extinction of pasture reserves.

I make no apology for dealing with this question here somewhat lengthily, for I think its correct handling is of the very greatest importance to the future of the province.

Working plans.

8. Coming now to the details of the report of immediate interest, it will be seen—paragraph 6 of the report—that on the assumption that 3,983 square miles will be about the final area of our forests, we have already taken in hand working plans for 1,776 square miles of this area, of which the plans for 915 square miles are completed, and those for 861 square miles are being brought to completion, leaving an area of 2,207 square miles to be dealt with.

Maps.

9. Intimately connected with working plans is the absolute necessity of having good maps as a basis. The Forest Survey originally prepared maps of the Ellichpur and Daryapur taluks, on the scale of one inch equal to one mile, showing the boundaries of villages and all forest areas. These were found so useful that the local Forest Department took in hand the preparation of similar maps for the remaining taluks of the province, except the Melghat, which, as Mr. Bagshawe explains in paragraph 5 of his report, is being done by the Forest Survey. Excluding the Melghat, there are 21 taluks in the province, and at the moment of writing I have ascertained that the drawing of all maps is complete with the exception of a few villages in the taluks of Kelapur and Pusad.

A proposition is now before the Resident in view to bringing out these maps district by district for general as well as forest purposes. This plan, if sanctioned, will economically provide us with thoroughly useful maps. The old revenue survey taluk maps, English and Mahrathi, on the scale of ½ inch to one mile, are of no use whatever, except to show the relative position of villages, and as their supply is nearly exhausted and a re-issue of some of the taluks immediately and of most in the near future will be necessary, the Director of Land Records has suggested the simple expedient of adding the names of villages in Mahrathi (which is feasible) to the forest maps, which will give us really valuable maps suitable for revenue and other purposes. This plan will obviate the re-issue of an obsolete and useless map in two series, or the preparation on the land revenue side of a map, which, if undertaken, must practically coincide with the maps already prepared by the Forest Department.

Communications and buildings.

10. The progress in regard to roads and buildings in paragraph 8 of the report appears to me to be very satisfactory. The Melghat, our most valuable and extensive forest, as the Resident and the Government are aware, has acquired special development. The schemes past and present contemplate t construction of 425 miles of road, chiefly serving the Bairagarh and Gugumal reserves, an a of 605 square miles. Of these, 297 miles have been completed, leaving 128 to be m The Resident and the Government so fully recognize the importance of opening up forests, and the financial results following the completion of every new road have b excellent, that it is unnecessary to say that what remains to be done will be pushed on as funds are available.

Roads however are useless, unless in the working seasons water for man and available in the vicinity of and at suitable intervals between camping places. It is satisfactory to notice (paragraph 9) that during the year under report nine wells were suitable sites for tanks prospected for. From my own previous personal knowledge Commissioner of the Ellichpur district, I may specially refer to the advisability ing a tank, as soon as possible, in the vicinity of Raipur, a project now in hand a reference to the map will show, is the centre on which all Bairagarh traffic con therefore no number of wells that the Forest Department can sink there will mand for watering draught cattle.

Breaches of the Forest Law.

11. Comparison with the work of previous years, in respect of breaches of th really impossible, as the present report sh the first year's change in the law permitti ing of offences. The report shows that 605 cases have been compounded under given in paragraph 15, as against none in the previous year; while the case

have fallen from 373 to 319, or a decrease of 54. Apparently, then, there has been a rise of 551 cases. As a matter of fact, these cases in previous years were either not taken up as of too petty a nature, or offenders got off on payment of the ordinary dues. Now, when compensation is taken in all petty cases, it follows that the percentage of convictions of the more serious or doubtful cases taken into court, as compared with the results of the previous year, shows a decline.

Protection from fire.

12. Closely connected with the efficiency of forest administration is the result of protection of the forests from fire. The facts for two years are as follows by districts, bearing in mind that fire protection was attemped, *vide* paragraph 16 of the report, in 1,239 square miles of forests as against 1,135 square miles in the year previous :—

Districts.	No. of fires.		Areas burnt.	
	1891-92.	1892-93.	1891-92.	1892-93.
			Acres.	Acres.
Akola	2	3	165	25,516
Amraoti	1	...	2	...
Basim	6	2	871	111
Buldana	3	2	16	6
Ellichpur	1	...	230	...
Wun	6	11	6,469	3,448
Total ...	19	18	7,753	29,081

The causes of fires being as below :—

Year.		Line burning.	From outside forest.	Accidental, by travellers, &c.	Incendiary	Unknown.	Total.	
1		2	3	4	5	6	7	
1891-92 ...		9	2	...	5	3	19	
1892-93 ...		1	2	11	3	1	18	
1892-93	+	...	...	11	...	...	11	Net
	−	8	...	...	2	2	12	−1

The first table above shows an unfortunate increase in the area burnt, due solely to three fires in the Ambabarwah reserve in the Akola district protected for the first time, which account for 25,516 acres of the total. These fires appear to be due to bad local arrangements insufficient precautions having been taken, as the fires originated either in line burning or crossing the outer line. Barring this failure, the area elsewhere burnt, 3,565 acres, is small, and reflects creditably on departmental management. Including the Ambabarwah the area attempted to be protected 4 per cent. was burnt; excluding them, ·5 per cent. 1 per cent. in the year previous.

In the second table, the totals of fires in columns 2 and 3 may be regarded as preventible and tell against the department. For the fires in the remaining columns, the department can only be indirectly held responsible. Of these, those attributed to incendiarism are of course the most serious. Of these, it will be seen that there is a decrease of 1 glad to notice that the measures taken in the Wun district last year, the district fires have mostly occurred, have effected some good. I trust that the Deputy will not slacken his efforts till he succeeds in putting down incendiarism altogether serious incendiary fire of the season reported on was at Kharad in his district, 3,070 acres. Deputy Commissioners should ever bear in mind that in forest no more serious offence than incendiarism. Detection has not followed in all While on this portion of the report, I would observe that the number of convictions and undetected at the close of paragraph 15, will not tally fires of the year under report, since, as I understand it, some cases of the included in this return.

13. The question of grazing has already been referred to by me in connection with the classification of areas—see paragraphs 4 to 7 *ante*—and I have therefore nothing to add on paragraph 18 of the report, especially as the points referred to at the close of that paragraph are under reference.

Regulation of grazing.

14. The yield of the forest and financial results are dealt with in paragraphs 30 to 36 inclusive of the report. The point not to overlook here is, that owing to the change made in the forest year, which now properly runs from the 1st July of one year to the 30th of June of the next year, the results reviewed in the current report are those of 15 months as against 12. The causes of decrease, both in the outturn and the surplus of the year, are fully explained in paragraph 31 of the report, which show that it is due partly to administrative changes and partly to a very abnormal rainfall stopping traffic. These causes were beyond departmental control. So far as the effect of the season goes, it is, I believe, to be found reflected in reduced forest revenue of most administrations, and is not peculiar to the Hyderabad Assigned Districts.

Yield and financial results.

The result, *vide* paragraph 36 of the report, is that the surplus as compared with that of the previous year has fallen off as follows: —

	Rs.
1st—On period reported on—	
1st April 1892 to 30th June 1893	79,976
2nd—On financial year—	
1st April 1892 to 31st March 1893	1,13,516
3rd—On forest year—	
1st July 1892 to 30th June 1893	1,30,066

But it is extremely satisfactory to note, *vide* paragraph 37 of the report, that at the close of the year the revenue was found to be rising again.

15. The year's working reported on was practically entirely controlled by Mr. Dickinson, though the results are reported on by Mr. Bagshawe. Mr. Dickinson left a memorandum acknowledging the good services of all his divisional officers. In this I entirely concur.

Notice of officers.

Mr. Dickinson failed occasionally, I think, to do himself justice in the way he sent his proposals up: but he really worked very hard and was interested in his work, and the results, as reported by Mr. Bagshawe, are creditable to him. He had no help whatever in the preparation of working plans, for which elsewhere special officers are given, and some of these, I know, he pushed through while suffering severely.

Mr. Prevost, after being connected for nearly twenty years with the Hyderabad Assigned Districts, was at the close of the year transferred to Coorg—an independent charge of considerable responsibility. Mr. Bagshawe, in paragraph 46 of his report, shows the credit that is due to him for his management of Melghat, our chief forest, during the last six years; it may therefore be confidently predicted that he will do justice to his selection for Coorg.

Among the remaining older officers, Messrs. Mansuk Rai, Haldane and Bukan, and among the younger Messrs. Shrinivaslu and Martin render us excellent service. The Rangers Misri Persad, Ramdyal Singh, Pandurang and Raghunath Singh, among the subordinates, deserve special mention.

16. As Mr. Bagshawe points out in paragraphs 43—44 of his report, there is very great difficulty in getting physically fit and suitably educated young men now to enter the Ranger's grade; and everybody who is acquainted with the facts in the background will agree that a potent cause for this is the comparatively poorer prospects that such men at present have in the forests, as compared with openings in other departments. Consequently it will certainly pay Government directly and indirectly to improve the position of the upper subordinate grade in the manner now before the Resident and the Government. I do not think that the hard work, the loneliness, the sickness that these men have to face, comes home in anything like the reality to those ultimately responsible for their welfare, as it does to those who like myself are locally and frequently and continuously brought into intimate relation with facts. As bearing on this question, I happen to be in a position to give exceptional evidence: for it fell to me, as Assistant Commissioner, in 1866, nearly 28 years ago, to select and demarcate our main reserves to start under the direction of Colonel George Pearson, the Conservator at that time appointed to the Central Provinces and Berar—what is now the Berar Forest Department—and the men I then enlisted, though with one or two exceptions they were all young men of good physique and locally acclimatized, but two now survive—Misri Persad and Ahmed [illegible].

Difficulties of recruitment.

17. For a reason that will presently be apparent, I wish to record that our policy up to date has been to take up suitable areas for permanent reservation and to work these under the condition by fire conservancy and general protection, and during the time required we met the demands of the province mostly from the unreserved or open forests ultimately was destined, where not cultivated, to meet the demands of grazing. It has been that the cost of administration was very cheap, and an abnormal [illegible]. Now that the unreserved areas are being worked out, and the permanent reserves condition to be, and are being drawn upon more and more, the cost of [illegible] rise; for, in a permanent reserve, the cost of regulating forest operations more costly than what, as above described, was previously the case. It is necessary to recognize and bear this in mind, for a failure to do so might

Departmental policy.

working charges, which would, I consider, undo the work of over 25 years, and would risk the future of a forest property, in the Melghat of considerable and rapidly increasing value.

Intimately connected with the welfare of the forests is the prosperity of the people in and immediately around our reserves. Their well-being, on which follows their good will, depends on the wise adjustment of our forest concessions to their necessities. Luckily our position, especially in the Melghat, our chief forest tract, enabled us to be liberal, with the result that the people in the hill tracts are well affected towards us. They practically form an unpaid protective force, of great value, in addition to our own staff. Without their ready and willing assistance our great success in fire conservancy would have been impossible. I trust nothing in the future may cause a break in this policy. It is with satisfaction, in this connection, that I can mention the Resident's acquiescence in recent proposals to tax at nominal rates culturable lands in villages within the forest. This recognizes the fact that cultivation in these villages unavoidably greatly suffers from the depredations of wild animals. The concession is one that will, I am sure, be greatly appreciated, and will have the most excellent future results. Subsidiarily the opening out of the hill tracts by roads, while it developed our forest resources, has immensely improved the condition of the hill men. From a position of precariously earning their livelihood, and with difficulty making Rs. 2 a month to subsist on, the bamboo traffic alone has placed them above want, and on the average an able-bodied adult can make Rs. 10 to 12 a month. The commonest hill-man cooly last season could easily earn his six annas a day. As our roads opened, the department helped them by advances on easy terms to purchase carts; this was an immense boon.

18. I have ventured to attract special attention to these points, which I conceive to be of great importance, as possibly this may be the last Hyderabad Assigned Districts Forest Report which it may be my privilege to review, and because having been more or less intimately associated with the Forest Department from its start, I am naturally interested in its welfare. It fell to me, as Assistant Commissioner and Conservator in 1865-66, to make the first Hyderabad Assigned Districts Forest Report, when the forest revenue of the Melghat, then our only forest, returned for the year Rs. 25,000. The average of the Melghat forest revenue for the last five years has been Rs. 1,76,256 per annum. In 1890-91, a year of unprecedented prosperity, its revenue touched Rs. 1,99,875. The entire provincial forest revenue for the last year of the report now being reviewed, *vide* annual form 65, was Rs. 5,38,509, with charges amounting to Rs. 3,05,655, leaving a surplus of Rs. 2,32,854.

19. Several officers have come and gone since the start, most of whom in their turn piled up the cairn of good forest work, but to none is the province more indebted for laying a good foundation on which the present rests—a foundation laid in critical times and in the face of considerable difficulties, from within and without, than two whom I would venture to name—Mr. Alexander Drysdale, who has retired, and Mr. John Ballantine, who is now on furlough in view to retirement.

The present Conservator, Mr. Bagshawe, and the writer of the report, was himself formerly here for a time, and we are, I consider, lucky in obtaining his services again. The Resident is aware, from references that have gone before him on various points of importance since Mr. Bagshawe's return and assumption of charge, how very thorough and complete his work is, and how exceedingly I am indebted for the assistance he has so cordially rendered me, and which I am only too glad to thus acknowledge.

I have the honor to be,

Sir,

Your most obedient servant,

K. J. L. MACKENZIE, COLONEL,

Commissioner, Hyderabad Assigned Districts.

FOREST DEPARTMENT, H. A. D.

No. 56.

FROM

THE CONSERVATOR OF FORESTS,

Hyderabad Assigned Districts,

To

THE COMMISSIONER,

Hyderabad Assigned Districts.

Dated Amraoti, 15th September 1893.

SIR,

I have the honor to enclose the Hyderabad Assigned Districts Forest Administration Report for 1892-93.

2. At your request the subject of the management of the State-forests class "C," and of "D" as far as that area will probably be permanently reserved, has received special attention, with the view of checking the rapid denudation of portions of these forests as noted by yourself and the late Conservator.

3. Particular attention is therefore invited to the advance that has been made in drawing up temporary working plans for 915 square miles out of the total area of about 2,598 square miles, also to the steps taken to collect data for plans for the remaining area, and to provide the 1" scale forest maps of taluks required for the working plans, for use as stock maps, &c.

4. The main difficulties experienced in dealing with these "C" and "D" forests are the fact that the grazing demand is very heavy (*vide* report, paragraph 18) and that, at least for the present, Government has considerably limited its power of controlling the felling of green trees. The remedies seem to be, first, the separation in the working plans of the grazing lands pure and simple from the grazing tracts we hope also to grow fuel on; second, the regulation of the grazing in the latter forests, so as to insure a period of rest to the areas felled over in rotation; third, changes in the list of reserved trees, so as to meet the necessities of each district, and thus insure general protection to the twenty most valuable shade, fruit and timber trees in each locality. On most of these points Mr. Dickinson has taken some action, and the question is one that is still the object of special work in each division.

I have the honor to be,

Sir,

Your most obedient servant,

CECIL BAGSHAWE,

Conservator of Forests, H. A. D.

FOREST DEPARTMENT, H. A. D.

No. 56.

FROM

THE CONSERVATOR OF FORESTS,

Hyderabad Assigned Districts,

To

THE COMMISSIONER,

Hyderabad Assigned Districts.

Dated Amraoti, 15th September 1893.

SIR,

I have the honor to enclose the Hyderabad Assigned Districts Forest Administration Report for 1892-93.

2. At your request the subject of the management of the State-forests class "C," and of "D" as far as that area will probably be permanently reserved, has received special attention, with the view of checking the rapid denudation of portions of these forests as noted by yourself and the late Conservator.

3. Particular attention is therefore invited to the advance that has been made in drawing up temporary working plans for 915 square miles out of the total area of about 2,598 square miles, also to the steps taken to collect data for plans for the remaining area, and to provide the 1″ scale forest maps of taluks required for the working plans, for use as stock maps, &c.

4. The main difficulties experienced in dealing with these "C" and "D" forests are the fact that the grazing demand is very heavy (*vide* report, paragraph 18) and that, at least for the present, Government has considerably limited its power of controlling the felling of green trees. The remedies seem to be, first, the separation in the working plans of the grazing lands pure and simple from the grazing tracts we hope also to grow fuel on; second, the regulation of the grazing in the latter forests, so as to insure a period of rest to the areas felled over in rotation; third, changes in the list of reserved trees, so as to meet the necessities of each district, and thus insure general protection to the twenty most valuable shade, fruit and timber trees in each locality. On most of these points Mr. Dickinson has taken some action, and the question is one that is still the object of special work in each division.

I have the honor to be,

Sir,

Your most obedient servant,

CECIL BAGSHAWE,

Conservator of Forests, H. A. D.

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BENGAL SECRETARIAT LIBRARY

ANNUAL PROGRESS REPORT OF FOREST ADMINISTRATION FOR THE YEAR 1ST APRIL 1892 TO 30TH JUNE 1893.

INTRODUCTION.

1. The year is remarkable for the Berar Forest Law of 1886 having been brought into force, and for very considerable advance in the regulation of the working of the forests.

The outturn of road and other work for the improvement of the forest estate has been far beyond the average of previous years; but for causes beyond the control of the department, the outturn and receipts have fallen below the average of recent years.

CHAPTER I.—Extension and Constitution of State Forests.

I.—ALTERATION OF AREA.

2. The alterations in area are mainly due to the Berar Forest Law of 1886 having been brought into force with effect from the 15th of June 1892, which involved changes in classification as follows:—

	On 1st April 1892.	Added during year.	Excluded during year.	On 30th June 1893.
	Sq. m.	Sq. m.	Sq. m.	Sq. m.
Demarcated State forests now State forests (for timber and fuel) class A	1,256	69	3	1,322
District reserves	1,005	...	1,005	...
State forests, class "B" (grass reserves)	...	63	...	63
Do. class "C" (pasture reserves)	...	1,598	...	1,598
District unreserved forests	2,175	...	2,175	...
State forest, class "D" (temporary pasture reserves) ...	...	1,250	...	1,250
Total ...	4,436	2,980	3,183	4,233

The net difference of 203 square miles in the total area is accounted for thus—

Actual additions.—

The addition of Mangli forests (by purchase for Rs. 7,000) to the Kelapur reserve.

	Acres.	Sq. m.
Wun Division	1,257	2
Total ...		2

Actual exclusions—

	Sq. m.
District unreserved forests transferred to the ordinary control of the Revenue Department for cultivation	173
Parts of field numbers formerly State forests, but not notified under the new law pending survey	22
Reductions consequent on correction of areas	10
Total ...	205

The changes in the area of State forests, class A, or the old demarcated State forest as follows:—

	Additions. Sq. m.	Exclusions. Sq. m.
AKOLA DIVISION—		
Newly constituted—		
Morna State forest	23	...
Balapur	40	...
Transfer—		
Borgaon State forest from "A" to "B"		2
Correction in area—		
Ghatbori		1
N DIVISION—		
Newly constituted—		
Mangli State forest	2	...
Transfer—		
From unreserved forest to the Kharad State forest	4	...
Total ...	69	3

given in two parts, the first to show how the district reserved and un- under the 1871 Forest Rules were disposed of; the second to explain the e State forests as they now stand, but no detailed extracts from these ite.

The forests inthe circle now are :—

	Acres.	Square miles.	Percentage of area of Berar.
State forests "A" reserved for timber and fuel	846,738	1,322	7·5
,, B ,, ,, fodder and thatching grass	40,652	63	·0·3
,, C ,, ,, pasture	1,023,301	1,598	9·0
,, D ,, temporarily pending settlement ...	800,253	1,250	7·1
Total ...	2,710,944	4,233	23·9

II.—FOREST SETTLEMENTS.

3. The State forests, class D, *i.e.*, temporarily reserved pending settlement, are situate in the districts of Ellichpur 918 square miles, Wun 46 square miles, and Basim 286 square miles.

Proposals for the permanent constitution of the two first areas and of about 193 square miles in Basim have been completed, leaving 93 square miles to be dealt with in the current year.

It is probable that about 1,000 square miles will be added to classes A and C and 250 square miles will be transferred for cultivation.

III.—DEMARCATION.

4. The boundaries of the class A State forests where they do not follow features like rivers or roads, &c., are as a rule demarcated by cut lines and stone boundary marks with a post bearing a serial number, but in some of the later reservations (as noted last year) a 30-50 feet line has been cut and the settlement field marks have been maintained. The aggregate length of these boundaries is 1,011 miles, and Rs. 807 were spent on new work and Rs. 426 on repairs. The boundaries are reported as in good order, and the erection of numbered stone pillars is being pushed on in Wun and Akola.

The B State forests are generally demarcated by cut lines and settlement field marks; the latter being repaired by the lessees, the former by direct agency, at a cost during the year of Rs. 249. These boundaries are reported as in good order.

The "C" State forests are demarcated by settlement field marks only, and somewhat less than one-fourth of the marks were repaired during the year at a cost of about Rs. 1,247. A scheme for maintaining the boundaries of "C" State forests by contracts with the headmen of the villages concerned is nearly completed for all divisions.

IV.—SURVEYS.

5. The Forest survey did no survey work in Berar during the year.

In Basim and Buldana the survey of portions of fields (*vide* paragraph 1) was undertaken by local labour, and was nearly completed at the close of the year, charges Rs. 553; the results will appear in the Report for 1893-94. In the Forest survey the compilation of a 1″ map of the Melghat taluk was in hand and the map will probably issue by December 1893. In the Direction Division Rs. 275 were spent on the preparation of maps of the "A" forests, and in compiling 1″ scale maps of taluks showing all classes of forest, field by field. These 1″ maps are most urgently required for working plan purposes, and towards the close of the year measures were taken to reduce and draw the maps of about three taluks a month, and thus have all the maps ready for publication by October 1893. Sanction has been sought for the Forest survey to pass the taluk maps through the Photo-zinco Office.

CHAPTER II.—Management of State Forest.

I. REGULATION OF MANAGEMENT.

(A.) Working Plans and their Control.

6. A the beginning of the year 915 square miles of State forests now in class C were managed under Working Plans. Working Plans dealing with 12 square miles of "A" forests haave been approved of during the year, and the preparation of Working Plans for "A" forests 889 square miles and "C" forests 60 square miles have been begun, leaving about 2,207 square miles of forests of all classes as yet untouched. Rs. 216 is the charge on account of Working Plans. The Working Plans have been greatly delayed and their preparation complicated by the want of proper maps as referred to above.

The provisions of the plans in force were carried into effect, but it is found that it will be necessary to revise the statement of fellings in the Buldana plans which form three working circles (total area 295 square miles), so as to provide the wants of the main towns and also insure a sale for the outturn. In Wun the plan is well reported on. In Basim the extreme poverty of the area open to felling in the year is the main future mentioned.

The work done in each division is as follows :—

Ellichpur Division—

A Working Plan for the Bairagarh and Gugumal Forest (605 square miles) was drawn by Mr. Wilson, but some revisions were advised by the Inspector-General of Forests, and the

in hand. No plan has yet been drawn up for the Chikalda A forests, or for the B and C State forests as the scheme for their final classification was only submitted to the Resident at the end of the year

AMRAOTI DIVISION—

No plan yet drawn up, but the collection of data has been pushed on for the babul-bearing tracts throughout the division, for the A State forest of Chirodi and for the "C" fuel-bearing tracts in the Amraoti Hill range, areas aggregating 73 square miles.

AKOLA DIVISION—

A Working Plan for the Loni-Bhongaon "A" forests (three square miles) was completed during the year and a plan was drawn up for the babul-bearing tracts (four square miles) in the C State forests.

BULDANA DIVISION—

Proposals for working all the A State forests (94 square miles) were drafted by the Divisional Officer at the close of the year, but have been returned for reconstruction.

BASIM DIVISION—

Working Plans for Kinwat and Penganga (166 square miles) were completed, and notes for a plan for Chandas, Medsi and Andharsangwi (11 square miles) were prepared by the Divisional Officer at the close of the year.

WUN DIVISION—

The plan for Pathrot (five square miles) was completed during the year.

(B) ANNUAL PLANS OF OPERATIONS.

7. The working of the year in every division was regulated by an annual plan drawn up in the rains of 1891. It is reported from four divisions that there were no deviations. In Ellichpur, funds being available, anincrease in the road work was carried out. In Amraoti, owing to savings, it was possible te spend more money on roads, and the proposed A. State forests were not sanctioned within the year, and so were not demarcated.

II.—WORKING OF THE YEAR.

(A) COMMUNICATIONS AND BUILDINGS.

8. During the fifteen months in the year under review the charges on the above compare as follows with those of the previous year:—

	1891-92. Rs.	1892-93. Rs.
Roads	14,324	24,632
Buildings	4,450	18,219
Wells and other works	275	2,344

showing a very satisfactory increase in all three of these most important branches of work.

The outturn of work during these years was—

		1891-92.	1892-93.
Cart roads, new ...	Miles	32	44
	Rupees	9,358	18,110
Do. repaired ...	Miles	326	385
	Rupees	4,966	6,023
New buildings ...	Number	6	31
	Rupees	757	13,697
Repairs to buildings ...	Number	67	85
	Rupees	3,893	4,522
New wells ...	Number	...	9
	Rupees	...	1,170
Miscellaneous ...	Rupees	275	1,174

The outturn of road work is larger than in any previous year.

The Western Gugumal road, 16 miles, and Kuapati and Chopan roads in Bairagarh, 17 miles, run through very difficult country, which fully accounts for the increased cost per mile.

The buildings erected comprise—

	Rs.		Rs.
Rest-houses ...	7,931	6 Revenue depôts ...	1,833
Sets of out-houses for rest-houses ...	1,671	4 Quarters for forest guards ...	232
6 [illegible]arters for range officers ...	2,030		

9. ELLICHPUR DIVISION—

Roads—Bairagarh—

	Miles.	Rs.		Miles.	Rs.
Kuapati-Bichukhera ...	11	4,890	Koktu Gurgapati, 1st section	1½	478
Raipur-Chopan ...	6	2,076	Koha-Banam ...	6½	1,991
Roads—Gugumal—			Kasod Dargarh, 1st section	4	2,215
Gokriam Chipi, Koktu ...	9	5,143	Gurgapati-Bori, 1st section	1½	692

miles of road were made this year for Rs. 17,485, against 31½ miles for Rs. 9,358 in 1891-92, and 325 repaired for Rs. 5,868, average Rs. 18 per mile.

uildings—

	Rs.		Rs.
Hatru rest-house	900	Buildings—*cont.*	
hopan and Rajadoh rest-house, 2 at 200	400	Paruldha rest-house ...	1,900
sets of out-hou es at Raipur, Jarida, Chourakund and Kolkaz, at Rs. 330	1,320	Jhiri Revenue Depôt ...	700
Do. at Rangrau Rs. 325 ...	325	Kasod do do ...	500
gers' quarters at Raipur and Semba- h at Rs. 750 ...	1,500	Belkhera forester's hut ...	150
		Guards hut, Asalwara ...	50
		Do. Jarida ...	50

buildings Rs 3,281. The original works in 1891-92 cost Rs. 100, and the repairs Rs. 1,602, year has shown very marked advance in the provision of shelter for officers and subordinates.

ks—

	Rs.
nking nine masonry wells in Bairagarh and Gugamal at Sirasban, ri, Anjangarh, Kuapati, Jambu, 2 on Akot-Selu road, Tarubanda and aldoh	1,170
ning and repairing wells and tanks	102
trenches for proposed new tanks	230
g compounds	174

In 1891-92no original work was done and Rs. 30 were spent on repairs. A water-supply for exporters is a work of the first necessity now we have opened up the inner forests to working, so the progress made this year is most satisfactory.

10. Amraoti Division.

	Miles.	Rupees.
Roads—		
Amraoti-Pohora road	Half cost	1,046
The other moiety was from the District Road Fund. No road work was done in 1891-92.		
Buildings—		
Repairs to five buildings Rs. 159, against original works Rs. 100, and repairs Rs. 120 in 1891-92.		

11. Akola Division.

	Miles.	Rupees.
Roads—		
Repairs to Ghatborí and Loni roads ...	36	51
Buildings—		
Forest guards' hut, Chikalwal (new) ...	...	30
Expenditure in 1891-92 Rs. 72.		

12. Buldana Division.

Buildings—				
Foresters' house, Datpur	...	...	...	250
Repairs of three buildings	...	...	...	100
Other works—				
Trial pits for wells	...	...	...	99

In 1891-92 Rs. 254 were spent on repairs to buildings.

13. Basim Division.

Roads—				
Construction Gari-Jewli ghat road, Kinwat		...	1	79
Repairs all roads ..	...	...	21	99
Buildings—				
Forest guard's hut, Kurli Kinwat		...	...	60
Repairs of 18 buildings	...	...	...	186

Rs. 126 were spent on repairs of roads and buildings in 1891-92.

14. Wun Division.

Roads—				
Repair Patroat road, &c.	...	...	...	5
Buildings—				
Construction rest-house at Sawargaon		...	...	636
Do. do. Sunna (part)		...	...	618
Do. do. Pardi		...	...	477
Revenue depôts at Wun, Kelapur, Yeotmal, Darwha			...	633
Huts for Range Officers at Ghousa and Kurha		...	...	130
Out-house at Pardi	...	...	...	26
Repairs of two buildings	...	...	...	30

Rs. 5 were spent on roads, Rs. 2,505 on new buildings, and Rs. 30 on repairs against Rs. 407 for new buildings, and Rs. 346 on repairs during 1891-92.

(B) Protection of Forest from Injury.

(1) *General Protection and Breaches of Forest Law.*

15. The general protection is said to be good and the returns for the fifteen months bear this out. Forest offences can now be compounded under section 33, Berar Forest La[illegible], and during the twelve months the Act has been in force, 605 cases affecting 1,471 persons have been compounded and Rs. 2,921 paid as compensation for the damage one or Rs 4·6 per case Rs. 2·00 per person.

Compensation is usually fixed at twice or three times the value of the produce co cerned and four times the value may be taken as the maximum. A check of the registers each division has shown that the section has been carefully worked; and in two divisi where Deputy Commissioners specially noted on the subject, they wrote strongly in fa of the procedure.

The cases of the past and previous year compare as follows :—

		1891-92.		1892-93.		Increase.	Dec
Injury by fire ...	Criminal Court ...	10	10	23	24	+ 13	14
	Compounded			1		+ 1	
Illicit felling or misappropriation	Criminal Court ...	281	281	232	613	— 49	332
	Compounded			381		+381	
Illicil grazing ...	Criminal Court ...	20	20	47	258	+ 27	27
	Compounded			211		+211	
Other offences ...	Criminal Court ...	62	62	17	29	— 45	
	Compounded			12		+ 12	
Total ...	C. C. 373 C ...		373	319 605	924	— 54 +60	
Undetected cases		61		54			

The criminal court cases have of course fallen off, and there were fifty-four fewer cases in the past fifteen than in the previous twelve months.

The percentage of convictions of cases in the criminal courts varied as follows :—

	1891-92	1892-93.		1891-92	1892-93.
Ellichpur ..	91·4	81·8	Buldana ...	77·5	80·5
Amraoti ...	87·3	78·2	Basim ...	76·5	82
Akola ...	80	69·2	Wun ...	74·5	76

The figures call for no special note as the majority of petty cases certain of conviction are gradually being compounded, and the court cases as a whole will not bear comparison until the new law has been in force two or three years.

Taking these cases individually the results appear generally satisfactory. The head "other of fences" included trespass, working without a permit, and other petty offences.

The number of fire cases, extending over nearly two fire seasons, compare as follows :—

	1891-92.		1892-93.	
	Conviction.	Undetected.	Conviction.	Undetected.
Ellichpur ...	1	...	3	...
Amraoti ...	1	...	5	...
Akola ...	3	1	1	...
Buldana ...	...	3	1	4
Basim ...	5	...	5	2
Wun ...	...	8	9	7
Total ...	10	12	24	13

From which it will be seen that Wun accounts for nearly the whole increase, and the result is satisfactory improvement in protection.

(2) *Protection from Fire.*

16. During the year out of 1,332 square miles of "A" State forest, the protection from fire of 1,239 square miles was attempted, being an increase of 104. 1,193 square miles were protected, 46 square miles burnt, and the cost was Rs. 7 per square mile. The new areas were Amba Barwa (51 square miles) in Akola and the new classed forests of Ghordara, Nidha, Phiski, Bhiokund, Paonar, Dabhdi and Umbarde (53 square miles) in Wun. The year was a trying one, as the untimely winter and spring rain prevented the fire lines being cleanly burned, while the late advent of the monsoon rains in parts of Berar prolonged the season of danger, and two fires occurred in Wun as late as the 13th of June. Thanks, however, to special precautions and the willing aid of exporters and villagers, no fire occurred in Ellichpur and Amraoti, only nominal areas were burnt in Buldana and Basim, and the only extensive fire was in Akola, where 40 square miles out of 51 square miles of the newly protected Amba Barwa forest were burnt. In Wun, although there were in all 11 fires, the area burnt was kept down to 5 square miles, against 10 square miles last year.

17. The work in each division compares as follows :—

Division.	Year.	Area attempted.	Results.		Approximate cost per square mile of area attempted.
			Successfully protected.	Failures.	
		Acres.	Acres.	Acres.	Rs.
Ellichpur	1892 ...	407,157	406,927	230	4·8
	1893 ...	407,157	407,157	...	4·2
Amraoti	1892 ...	12,229	12,227	2	21·14
	1893 ...	12,211	12,211	...	19·3
Akola	1892 ...	32,210	32,045	165	15·12
	1893 ...	60,427	34,911	25,516	9·3
Buldana	1892 ...	60,124	60,108	16	4·2
	1893 ...	60,125	60,119	6	4·0
Basim	1892 ..	119,383	118,512	871	6·11
	1893 ...	121,833	121,722	111	10·2
... ...	1892 ...	96,840	90,371	6,469	13·12
	1893 ...	130,873	127,425	3,448	13·4
Total ...	1892 ...	727,943	720,190	7,753	6·13
	1893 ...	792,626	763,545	29,081	7·2
Difference in favour or against the year ...		+ 64,683	+ 43,355	+ 21,328	+ 0·5

e Akola Division three fires occurred in Amba Barwa, *viz.*, on 16th February, er 76 acres; on 31st March, 480 acres; and on the 8th April 1893, when the for 8 days and spread over 24,960 acres. The first fire was due to bad line l the last two entered the forest, the first from the Melghat, the second from

ary precautions been taken on the outer boundary, neither of these last two occurred.

It is so far unfortunate that Mr. Haldane held charge of both Akola and Basim during the year, and so was unable to give sufficient attention to Amba Barwa. The range officer, who was only posted to the charge in January 1893, is reported to have worked hard and done his best.

In Wun there was only one extensive fire, *viz.*, at Kharad, 3,000 acres, on the 22nd May; this fire was the work of incendiaries. Mr. Mansukh Rai's arrangements were otherwise most successful. It is noted that two of the Wun fires were caused by shooting licensees, and the question of further regulating the privilege of entering the fire-protected area is under consideration.

(3) *Regulation of Grazing and Protection from Cattle.*

18. The grazing has been regulated as follows:—

		Square miles.	Total.
State-forest A.	(1) Closed to grazing	1,138	
	(2) Open for the rainy season	106	
	(3) Open whole year save to browsers ...	78	
		——	1,322
State-forest B.	(4) Closed to grazing	...	63
State-forest C and D.	(5) Closed to grazing	14	
	(6) Open to grazing	2,834	
		——	2,848

Item (2) includes Chikalda in Ellichpur, and Gerumatergaon and Amdari in Buldana. In Chikalda the grazing is regulated; in the two latter reserves the grazing did damage, and steps to reduce and gradually abolish the practice are being taken. It is very satisfactory that so large an area was protected from grazing. Item (3) Morna and Balapur in Akola, and Gahuli in Basim, where grazing is apparently necessary and is regulated as to distribution. Item (5) includes the babul-bearing tracts. Here the areas are set aside for the growth of fuel, but have been classed as pasture reserves, and much difficulty has been experienced in protecting them from grazing, &c.

19. The following figures show the incidence of grazing in each district:—

District.	Grazing area.	Grazing head.	Grazing dues.	Acre grazing per head.	Rent per acre.
	Acres.	No.	Rs.	Acres.	Rs. a. p.
Ellichpur	633,548	191,813	12,314	3·3	0 0 3
Amraoti	168,960	222,722	26,251	0·7	0 2 5
Akola	144,326	162,979	23,388	0·8	0 2 7
Buldana	238,817	266,086	27,172	0·8	0 1 9
Basim	372,202	200,579	24,957	1·8	0 1 0
Wun	367,151	434,722	55,671	0·8	0 2 5
Total ...	1,925,004	1,478,901	1,69,753	1·3	0 1 4

Besides the cattle grazing on payment, cattle graze without in the free-grazing lands which are included in C forests The free-grazing head and the value of such grazing are not recorded save in Basim, where they are returned as 199,781 head = Rs. 27,998 figures in excess of the paying head. In Wun, where the free grazing has been resumed, plough cattle graze on free licenses, and the returns show 103,990 head = Rs. 12,998 or in the proportion of a little less than 1 head free to 4 head paying, which makes the Basim figures seem doubtful. In Amraoti, where the free-grazing land has in part been resumed, 29,274 head = Rs. 3,659 graze on free passes. The whole question of grazing is under discussion, and undoubtedly the present rules are unsatisfactory. It seems from every point of view a mistake that the general grazing cess in Wun and the graduated grazing cess (according to amount of grazing available) in Morsi was not extended and modified, if necessary, instead of being abandoned.

(c) Improvement of Forest Growth.

20. The reports received show that where continuous protection from fire and grazi have been extended to forests of class A, the growth, where the soil is good, is rapi improving, but where, as in the Chirodi forest of Amraoti, the record of the last ten y shows "light grazing" allowed for the five years up to 1889, and the reserve burnt in 1890, there the 10 years of nominal protection has done no good. The report Akola and Buldana speak of moderate improvement in growth, while from Basi Wun the reports are good, but Amraoti exhibits little or no progress, save Amraoti range, where the "B and C" areas closed for two years to cutting sh promising coppice growth.

21. In the Bairagarh and Gugumal Forests of the Ellichpur Division the natural reproduction is most marked. Mr. Prevost in his report says "in y year have I seen so many seedlings, while the saplings and poles of all kinds h most astounding shoot, and in very many places the teak, tiwas and haldu the appearance of a fully stocked plantation: speaking roughly, it may be s

past three years the forests have filled up and the advance growth closed up more than it did in the previous ten years."

The Commissioner, Colonel Mackenzie, visited many parts of Bairagarh that he had not seen for several years, and he also was much struck with the marked improvement now so very apparent. Personally I think the change that has taken place during the past ten years is most striking, whether we look at the general appearance of the forest or notice specially the teak, haldu or bamboo growth; and the present condition of natural reproduction in the Melghat reserves is a triumphant testimony to the soundness of the forest policy introduced, and for so many years persistently supported, by Colonel Mackenzie.

(2) *Artificial Reproduction.*

22. The period reported on covers two seasons for sowing, and it is noted that 3,557 acres have been operated on with an expenditure of Rs. 1,520, or roughly 7 annas an acre. It is too early to report on the result of these operations, though the only areas of 1892 I have been able to visit did not in August 1893 promise success. Rs. 864 were spent on nurseries in Wun, which are doing well, and Rs. 480 in petty cultural operations in the Melghat, planting up compounds, maintaining nurseries for trees, and on the Ellichpur date plantation, &c., all of which are doing well.

The regular plantations will be carefully examined and reported on in due course, and the opportunity will be taken to thoroughly examine, where necessary, all the areas borne in Form 56 as planted up.

(3) *Early Thinnings.*

23. The cutting back in Bairagarh of badly-grown teak poles and saplings, and the thinning out of poles of other species where they suppress valuable growth, are the only operations of this description that have been carried out during the year. The work in Bairagarh has been very well done, and the results of the two previous years' operations are most satisfactory. As a rule in the Berar "A" forests the growth is as yet too open to render thinnings necessary.

(4) *Other operations for the improvement of the growing stock.*

24. Climbers (chiefly Bauhinia Vahlii) were cut in the three compartments in Bairagarh in which fellings were made. The area operated on was 11,004 acres, and the cost Rs. 270. Rs. 198 were spent in Gugumal on about 8,000 acres. Rs. 611 were spent in the Chikalda reserve in exterminating on about 40 acres the profuse growth of Lantana scandens, a climbing shrub that threatens to cover the highlands of the Melghat. At the close of the year a scheme for eradicating the Lantana growth in Bairagarh, Gugumal and Chikalda was drawn up and is now before the Resident; of the urgency of the work there is no doubt. It has not been found possible to separate the non-paying part of the cutting back operations (*vide* paragraph 27, ii) from the improvemennt fellings, so they areonly referred to generally.

(5) *Experiments.*

25. The only experiments in progress are the date plantations noted on in paragraph 14. The area under date palms is two acres, cost in 1892-93 Rs. 246. The palms are doing well, but the growth is only half what it is in Northern India.

(*d*) Exploitation of Major Forest Produce.

26. The methods of working in force in all divisions are grouped as follows :—

i. Clean or clear felling with artificial regeneration, 21 square miles.

ii. Improvement fellings, prescribed in all working circles regulated by temporary plans of operations or by working plans, embracing an area of 1,502 square miles.

iii. Unregulated fellings, including areas where certain trees are reserved * from felling under the Forest Rules, and also some worked on a rotation system and where the trees are felled flush with the ground, 2,017 square miles.

iv. Export of dry wood only is allowed in an area of 640 square miles.

N.B.—The "B" forests or grass reserves cover an area of 63 square miles, but of this area only 11 square miles (included in iii) are worked for wood as well as grass.

The areas in detail in each group are :—

Clear or clean fellings—

Amraoti 12 square miles of babul "C" forest, Akola babul "C" forest 4 miles, and Loni Bhongaon "A" forests 3 square miles, and Buldana babul "C" square miles, are all worked on a 30 year rotation.

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are reserved from felling under Forest Rules (187, dated 6th June 1892) and Book Circular 1892) :—

a religiosa.
gis bengalensis.
indica.
narindus indica.
ra indica.
sylvestris.
ifolia.
nelanoxylon.
nbolana.
.

11. Hilda, Terminalia chebula.
12. Kahu, Terminalia arjuna.
13. Bahera, Terminalia bellerica.
14. Saj, Terminalia tomentosa.
15. Teak, Tectona grandis.
16. Bijasal, Pterocarpus marsupium.
17. Anjan, Hardwickia binata.
18. Tiwas, Ougeinia dalbergoides.
19. Babul, Acacia arabica.
20. Bamboo, Dendrocalamus strictus.

ii. Improvement fellings—

In Ellichpur three working circles (in the Bairagarh "A" forest, total area 425 square miles) have been worked on a 30 year rotation. Teak was practically the only timber removed, trees of other kinds as a rule being girdled or cut back only and not exported ; the area of the three coupes of the year is 11,003 acres, and the felling was well done throughout.

In Basim fellings under working plans drawn up for "A" forests, Penganga (9 square miles) and Kinwat (147 square miles) were not fully carried out, as the outturn would not sell. The result is that very many marked trees are unfelled; no girdling was resorted to.

The "C" forests of Basim taluk 92 square miles, Buldana 295 square miles, and Wun 524 square miles, are worked on a 25 year rotation. Teak and anjan (Hardwickia binata) being marked and felled by departmental agency and other species felled (unmarked) by the purchaser ; the working of the year is well reported on, and the system should do much to conserve the tree growth in these forests.

iii. Unregulated fellings—

Ellichpur Division.—The "C" and "D" lands (excluding babul buns) which cover 972 square miles were felled over without regulation, save that no teak under 9" girth was cut, and the shade and fruit trees referred to in paragraph 100 of last year's report were reserved from felling.

In the Chikalda "A" State-forest (31 square miles) a few trees are marked and felled without regulation.

Amraoti Division.—In the Amraoti Hill Range (48 square miles) the "C" forests were divided into 15 blocks, and one was opened to felling by purchasers, who were bound to cut flush with the ground. The Karinja forest, area 21 square miles, was divided into three blocks and worked in the same way. These restrictions have worked well, and the improvement in the areas closed two years is very apparent.

In the remaining 217 square miles of "C" forest the only restriction was the reservation of the ordinary 20 trees specified in paragraph 26.

Akola Division.—The Morna and Balapur "A" forests (63 square miles), some cuttings of teak and other species were made in about 3 square miles (by departmental agency) on the lines of coppice under standards, and teak was similarly cut in two blocks of "C" forest. In the "C" forest generally (158 square miles, excluding babul buns) the fellings were unregulated, save by the reservation of the 20 trees.

Basim Division—In "C" forest (473 square miles) the fellings were unrestricted, save that teak was only cut by departmental agency and the 20 trees were reserved.

Wun Division.—In "D" forests (46 square miles) the fellings were only restricted by the reservation of the 20 trees.

iv. Dry or fallen wood only removed—

In Ellichpur, Gugumal 180 square miles; Amraoti all "A" forests 19 square miles; Akola "A" forests, Ghatbori and Amba Barwa, 91 square miles; Buldana all "A" forests 94 square miles; Basim "A" forests, Medsi-Chandus, Andharsawangi Rui, Gahuli, and Mohoja, 39 square miles; Wun all "A" forests, 211 square miles; and the babul tracts of "C" in Ellichpur, 2 square miles ; Basim, 1 square mile; and Wun 4 square miles, were only worked for dry or fallen wood.

(*e*) Extraction and Transport of Major Produce by Land and Water.

28. All timber and fuel is removed by land and entirely by purchasers. In the of "A" forests the dues are collected and passes issued in the forests, and as a rule passes are checked at stations on the outer forest boundary. In "C" and "D" where the timber is felled departmentally, it is sold by auction ; where purchasers price is collected and passes are issued by the head men (Patels) of villages, and by Taluk Foresters is extremely limited. In Wun, over a large portion of "C" collection by revenue depôts situated in main centres has been substituted for agency, and the system has worked well.

(*f*) Exploitation of Minor Forest Produce by Land and Wate

29. All transport is by land, and the purchasers collect and remove.

I. As to fodder, the "B" grass reserves are sold by auction. The forests is sold on passes issued by Range Officers.

II. The grazing is on licenses at rates varying in each divisio are issued by the Forest establishment and by head men of villages returns are fairly checked.

III. Miscellaneous produce. In the Melghat "D" forests duce is collected without any permit, and the price is collected export by the revenue depôt (naka) establishment on the forests. In other taluks the right to collect for a year minor

"D" forests, chiefly fruits, lac, and dye stuffs, is sold by auction block by block. In "A" forests it is exported under Rangers' passes.

CHAPTER III.—Gross Yield and Outturn of Forest Produce.

30. The returns for the year are complicated by the fact that the period 1892-93 reported on includes fifteen months, while the circumstances of the case did not seem to warrant the preparation of double returns for the past financial and past forest year.

31. The outturn of the two years compare as follows :—

	1891-92 (12 months).	1892-93 (15 months).	Increase.	Decrease.
Timber ... ... c.ft. ..	521,454	657,424	35,970	...
Value ... ... Rs....	1,55,191	1,55,828	637	...
Fuel ... ... c.ft....	1,558,341	1,509,677	...	48,664
Value ... ... Rs....	59,935	56,988	...	2,947
Bamboos ... ... hundreds...	32,383	43,623	11,240	...
Rate ... ... per 100 Rs....	1·54	1·58	0·08	...
Total value ... ... Rs....	49,785	68,538	18,753	...
Grass value ... ... Rs....	50,095	52,670	2,575	...
Grazing value ... ... Rs....	1,70,585	1,70,629	44	...
Miscellaneous ... ... Rs....	25,594	33,855	8,261	...
Gross revenue per square mile Rs....	121	127	6	...
Net ... ... Rs....	55	74	...	19

The following figures contrast the outturn of the financial year 1891-92 with that of the forest year, *i.e.*, July to June 1892-93 (a comparison which is sound as subtracting the abnormal months April to June 1892, when cholera was prevalent in the Melghat) the results are :—

	1891-92.	1892-93.	Increase.	Decrease.
Timber ... ... c.ft....	521,454	502,370	...	19,084
" ... ... value Rs....	1,55,191	1,17,325	...	37,866
Fuel ... .. c.ft....	1,558,341	12,83,503	...	274,838
" ... ... value Rs....	59,935	49,126	...	10,809
Bamboos ... ... No. in 100's...	32,383	27,993	...	4,390
" ... ... value Rs....	49,785	44,140	...	5,645
Grass ... ... value Rs....	50,095	44,748	...	5,347
Grazing ... ... value Rs....	1,70,585	1,55,025	...	15,560
Miscellaneous ... ... Rs....	25,594	22,704	...	2,890
Gross revenue per square mile Rs....	121	102	...	19
Net ... ... Rs....	55	...	...	...

The cons[illegible]erable decrease in the amount and value of the outturn is due to several [illegible]auses. First, the exclusion, on the introduction of the new Forest Act, of 173 square miles [illegible]n the forest area; second, the transfer of 65 square miles from classes "C" and "D" to [illegible]s "A," where the first step taken is to give the new area a period of rest; third, the [illegible]essions made to villages adjoining class "C" and "D" forests, which forms two-[illegible]s of the entire forest area. Here it is difficult to see (outside the Melghat) what the [illegible]reserved to Government includes, except the twenty reserved trees and grazing dues [illegible]art of the cattle grazing. Carefully as the concessions are worded, they apparently [illegible]ch more than was the former custom (*e.g.*, formerly dry fuel was used, now green [illegible]ed wood is freely cut), and with the limited establishment available, it is certain [illegible]s, this first year of the new law, been impossible to fully enforce the provisos [illegible]o the concession, *viz*, export in head loads for the *bona fide* use of the agricul-[illegible]ssionaires. Fourth, the introduction of a system of rotation and the general [illegible]f fellings in 915 square miles of "C" forest as opposed to previous nearly un-[illegible]g of the best trees available. Fifth, the outbreak of cholera in the Mel-[illegible]summer of 1892. Lastly, the unseasonable rain which frequently closed [illegible]ads, notwithstanding repeated repairs, and seriously affected the timber and [illegible]hile in the case of the grass and grazing revenue it directly affected the [illegible], and the demand for grazing. The result of this difficulty in export was [illegible]n most divisions.

32. The following figures exhibit the outturn by divisions:—

Division.	State-forest Class.	Timber. 1891-92. 12 months	Timber. 1892-93. 15 months.	Timber. 1892-93. Increase.	Timber. 1892-93. Decrease.	Fuel. 1891-92	Fuel. 1892-93.	Fuel. 1892-93. Increase.	Fuel. 1892-93. Decrease.	Bamboos in hundreds. 1891-92.	Bamboos in hundreds. 1892-93.	Bamboos in hundreds. 1892-93. Increase.	Bamboos in hundreds. 1892-93. Decrease.
Ellichpur.	A. Timber and fuel c.ft.	132,981	127,239	...	5,742	28	812	784	...	24,854	36,946	12,092	...
	Value Rs.	47,656	56,216	8,560	...	1	22	21	...	...	...	...	...
	C and D. Grazing c.ft.	321,163	356,492	35,329	...	390,855	430,362	39,507	...	6,816	5,531	...	1,285
	Value Rs.	69,803	74,128	4,325	...	11,171	12,828	1,657	...	...	...	...	...
	Total ...	454,144	483,731	29,587	..	3,90,883	431,174	40,291	...	31,670	42,477	10,807	...
	Value Rs. ...	1,17,459	130,344	2,885	...	11,172	12,850	1,678	...	...	...	...	...
Amraoti.	A. Timber and fuel c.ft.	...	211	211	...	18,754	1,911	...	16,843	...	...	...	...
	Value ... Rs.	...	30	30	...	772	99	...	673	...	...	...	...
	C and D. Grazing c.ft.	367	2,549	2,182	...	424,781	348,146	...	76,635	...	...	...	...
	Value Rs.	73	138	65	...	19,780	17,349	...	2,431	...	...	...	...
	Total ...	367	2,760	2,393	...	443,535	350,057	...	93,478	...	...	...	...
	Value Rs.	73	168	95	...	20,552	17,448	...	3,104	...	...	...	...
Akola.	A. Timber and fuel c.ft.	602	2,144	1,542	...	77,854	77,875	21	...	...	2	2	...
	Value Rs.	86	311	225	...	4,131	3,844	...	287	...	...	...	...
	C and D. Grazing c.ft.	11,588	23,932	12,344	...	285,674	223,709	...	61,965	...	...	...	...
	Value Rs.	4,295	3,241	...	1,004	12,372	9,770	...	2,602	...	...	...	...
	Total ...	12,190	26,076	13,886	...	363,528	301,584	...	61,944	...	2	2	...
	Value Rs.	4,331	3,552	...	779	16,503	13,614	...	2,889	...	...	...	...
Buldana.	A. Timber and fuel c.ft.	581	1,484	903	...	24,483	17,560	..	6,923	...	...	...	...
	Value Rs.	124	222	98	...	900	576	...	324	...	...	...	...
	C and D. Grazing c.ft.	66,875	34,426	...	32,449	86,577	101,595	15,018	...	...	...	...	...
	Value Rs.	9,989	5,191	...	4,798	2,396	2,999	603	...	...	...	...	...
	Total ...	67,456	35,910	...	31,546	111,060	119,155	8,095	...	...	...	...	...
	Value Rs.	10,113	5,413*	...	4,700	3,296	3,575	279	...	...	...	...	...
Basim.	A. Timber and fuel c.ft.	6,328	4,004	...	2,324	14,063	5,942	...	8,121	12	44	32	...
	Value Rs.	1,745	253	...	1,492	496	258	...	238	...	...	...	...
	C and D. Grazing c.ft.	64,845	86,015	21,170	...	81,377	76,348	...	5,029	5	24	19	...
	Value Rs.	19,502	13,602	...	5,900	2,701	2,489	...	212	...	...	...	...
	Total ...	71,173	90,019	18,846	...	95,440	82,290	...	13,150	17	68	51	...
	Value Rs.	21,247	13,855	...	7,392	3,197	2,747	...	450	...	...	...	...
Wun.	A. Timber and fuel c.ft.	80	297	217	...	962	7,329	6,367	...	280	553	272	...
	Value Rs.	14	47	33	...	25	198	173	...	...	...	...	...
	C and D. Grazing c.ft.	16,044	18,633	2,589	...	152,933	218,088	65,155	...	416	523	107	...
	Value Rs.	1,954	2,574	620	...	5,190	6,556	1,366	...	...	...	...	...
	Total ...	16,124	18,930	2,806	...	153,895	225,417	71,522	...	696	1,076	380	...
	Value Rs.	1,968	2,621	653	...	5,215	6,754	1,539	...	...	...	...	...
Total.	A. Timber and fuel c.ft.	140,572	135,379	...	5,193	136,144	111,429	...	24,715	25,146	37,545	12,399	..
	Value Rs.	49,625	57,079	7,454	...	6,325	4,997	...	1,328	...	...	...	...
	C and D. Grazing c.ft.	480,882	522,047	41,165	...	1,422,197	1,398,248	...	23,949	7,237	6,078	...	1,159
	Value Rs.	1,05,566	98,874	...	6,692	53,610	51,991	...	1,619	...	...	...	...
	Total ...	521,454	657,426	35,972	...	1,558,341	1,509,677	...	48,664	32,386	43,623	11,240	...
	Value Rs.	1,55,191	1,55,953	762	...	59,935	56,988	...	2,947	49,785	68,538	18,753	...

* Includes Rs. 125 on account of wood supplied to the Military Department.

ELLICHPUR DIVISION.—

The decrease in timber exports from "A" forests is due to the outbreak of cholera in Bairagarh in the hot weather of 1892, which entirely stopped export for a time. The improvement in price is due to a better paying quality of wood being converted. In the "C" and "D" forests the order stopping the cutting of teak under 9″ girth reduced the outturn by at least 50,000 poles.

The increase in the export of bamboos is very satisfactory, and is chiefly due to the new roads, especially in Gugamal, and to careful working in both reserves. In the "D" forests of the Melghat, the bamboo export again fell slightly, the higher rates being maintained. This is satisfactory, as we want to throw the demand on the regulated cuttings in the "A" forests.

The outturn of the improvement fellings in Bairagarh was as follows:—

Name of circle.	Number of compartment.	Cubical contents.	Revenue realized, 15 months.	When worked.
			Rs.	
Sembadoh	21 (old I) ...	555	75	During rains of 1891.
	22 (old II) ...	8,063	3,421	From 1st April 1891.
	23 (old III) ...	55,500	25,377	From 1st January 1892.
		64,118	28,873	
Chaorakund	21 (old 8) ...	12,446	5,356	From 1st April 1891.
	22 (old 9) ...	29,927	11,782	From 1st January 1893
		42,373	17,138	
Butram (formerly Hatru) ...	21 (old 23) ...	16,514	3,836	From 1st January 18
	22 (old 24) ...	2,826	6,021	From 1st October 1
		19,340	9,857	
	Total ...	1,25,831	55,868	Against Rs. 46,

AMRAOTI DIVISION—

The decrease in the outturn of "A" forests is due to the necessary closure of Chirodi, while in the "C" forests for sylvicultural reasons a smaller area of babul was cleared, and the lease of the Revenue Depôts at Karinja brought in less.

AKOLA DIVISION—

A short demand led to short sale of teak poles in "A" forests, and in the "C" forests to 111 acres of babul (valued at Rs. 24 per acre) not being cut.

BULDANA DIVISION—

The decreased exports from "A" forests is due to the early break of the rains in Buldana in 1893 stopping export, and in "C" forests the introduction of the working plan for a while stopped export, and finally placed a poorer class of timber on the market, as the felling consists chiefly of unsound instead of the sound trees formerly cut.

BASIM DIVISION—

The increase in timber is due to increased area felled over under the plan of operations, the outturn being poor realized less than last year. The decrease in fuel is owing to the supply to factories being curtailed.

WUN DIVISION—

The Revenue Depôts which have been carefully managed during the year have undoubtedly steadied the timber and fuel revenue from the "C" and "D" forests, while careful working largely increased the bamboo sales.

33. The return from grazing hardly varied from that of the previous year, and the effect of the new rules, which abolish the general grazing due in Wun and vary the arrangements in other districts practically only came into force on the 1st July 1893.

34. The outturn of minor produce varied but slightly from that of 1891-92, as the gross receipts for 1892-93 include the sale of fruit for two fruit seasons.

35. The value of the registered free grants made during the year is as follows :—

Authority under which granted.	Name of Division or District.	Name of grantee.	Purpose for which granted.	Produce granted.		
				Description.	Quantity.	Value in Rs.
Conservator, Hyderabad Assigned Districts.	Amraoti	Villagers of Bhiwapur in Chandur Taluk and of Argaon in Morsi Taluk.	Re-building burnt huts.	Unreserved timber ...	910 c.ft.	130
				Grass ...	15 tons.	21
		Patel of Chikli Waid in Chandur Taluk.	For Chaori...	Unreserved timber ..	42 c.ft.	6
					Total ...	157
Resident at Hyderabad.	Buldana...	Military Officer at Jalna ...	Military lines	1,500 goles	2,618 c.ft.	375
Conservator, Hyderabad Assigned Districts.	Basim.....	Villagers of Kupte in Pusad Taluk.	Re-building burnt huts.	Unreserved timber ...	1,410 c.ft.	63
Do. ...	Wun ...	Patels of several villages ...	For Chaories.	Timber...	1,876 c.ft.	364
				Bamboos.	2,490	58
		Villagers round A forests for assistance rendered.	Private purposes.	Fuel ..	434 c.ft.	12
				Grass ...	198 tons.	172
					Total ...	606
					Grand Total ...	1,201

s impossible to estimate the quantity or value of the concessions to villagers of free nd fuel by the head load for private use and free grazing for plough cattle in "C" " forests and to residents inside "A" forests.

CHAPTER IV—Financial Results.

financial results of the last five years compare as follows :—

Year.	Receipts.	Charges.	Surplus.
	Rs.	Rs.	Rs.
... ...	4,08,192	1,69,295	2,38,897
... ...	4,40,540	1,76,549	2,63,991
... ...	4,87,109	1,68,922	3,18,187
... ...	5,11,185	1,98,365	3,12,820
... ...	5,38,509	3,05,665	2,32,844
... ...	4,31,642	2,32,338	1,99,304
... ...	4,31,833	2,49,079	1,82,754

The fifteen months included in the year under review may be grouped in three ways for purposes of comparison with 1891-92, *viz* :—

		Receipts.		Charges.		Surplus.	
		More.	Less.	More.	Less.	More.	Less.
1892-93 ...	15 months ...	27,324	...	1,07,300	...	...	79,976
	Financial year ...	...	79,543	33,973	...	...	1,13,516
	Forest year ...	...	79,352	50,714	...	...	1,30,066

37. The revenue of the year fifteen months was realized as follows :—

	1891-92, 12 months.	1892-93. 15 months.	1892-93. Increase.	1892-93. Decrease.
	Rs.	Rs.	Rs.	Rs.
Timber	1,55,191	1,55,828	637	...
Firewood and charcoal	59,935	56,989	...	2,946
Bamboos	49,785	68,538	18,753	...
Grazing	1,70,585	1,70,629	44	...
Grass	50,095	52,670	2,575	...
Other minor produce	23,935	29,872	5,937	...
Confiscated produce	1,047	1,240	193	...
Miscellaneous sources	612	2,743	2,131	...
Total ...	5,11,185	5,38,509	30,270	2,946

Allowing for the period during which it was collected, the revenue fell off under every head, and the reasons for this change have been given in the notes on the outturn.

It is satisfactory to observe that at the close of the year the revenue from timber and bamboos was steadily rising as compared with the same period in 1892.

38. The expenditure of the year contrasts as follows with that of 1891-92 :—

Budget heads.	1891-92 (12 months).	1892-93 (15 months).	Increase.	Decrease.
A.—*Conservancy and Works.*	Rs.	Rs.	Rs.	Rs.
I. Timber, &c., removed from the forests by Government agency	...	...	...	...
II. Timber, &c., removed from the forests by consumers, &c.	31,967	45,825	13,858	...
V. Rent of leased forests and payments to shareholders in forests managed by Government ...	20,244	31,116	10,872	...
VI. Live and dead stock	4,500	9,466	4,966	...
VII. Communications and buildings	19,049	44,695	25,646	...
VIII. Demarcation, improvement and extension of forests	13,287	26,718	13,431	...
IX. Miscellaneous	1,033	1,299	266	...
Total A ...	90,080	1,59,119	69,039	...
B.—*Establishments.*				
I. Salaries	84,773	1,16,632	31,859	
II. Travelling allowances	14,981	18,256	3,275	
III. Contingencies	8,531	11,658	3,127	
Total B ...	1,08,285	1,46,546	38,261	
Grand total of expenditure ...	1,98,365	3,05,665	1,07,30	

The increased charges under A-II and V and VI are normal, as they re
ments of the Melghat forest rent, of percentages on revenue collections, of fe
in the Melghat and other forests to the end of the working season, and
chases covering practically half the year of 1893-94, as the expenditure fro
ber under these heads is very light. Under A-VII the enhanced charges
splendid outturn of work under roads, buildings and wells, all of which ar
nerative. The increase under A-VIII is due to the work of nearly two f
seasons being charged in the one year. The increase in establishmen
charges is mainly due to the extra three months in the year, but in a s
extra temporary establishment entertained for the timber works.

39. The receipts and charges under the main heads of accounts

Source of revenue and expenditure.	1889-90 (12 months).		1890-91 (12 months).		1891-92 (12 months).		1892-93 (15 months).	
	Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Departmental timber operations ...	...	...	...	...	...	...	...	...
II.—Other revenue ...	3,20,829	...	3,82,509	...	3,88,227	...	3,76,535	..
III.—Protection, &c. ...	...	56,838	...	64,322	...	75,407	...	1,43,691
Total ...	3,20,829	56,838	3,82,509	64,322	3,88,227	75,407	3,76,535	1,43,691

The receipts in the different classes of forests are given below :—

Class of forests.	Revenue.		Expenditure.		Surplus.		Deficit.	
	1891-92 (12 months).	1892-93 (15 months).	1891-92 (12 months).	1892-93 (15 months.	1891-92 (12 months).	1892-93 (15 month).	1891-92.	1892-93.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
A.-Timber and fuel reserves	1,31,635	1,53,588	74,723	1,35,438	56,912	18,150	...	...
B, C and D.-Grass, pasture and temporary pasture reserves (excluding Ellichpur D).	2,73,322	2,70,034	77,212	1,02,961	1,96,110	1,67,073	...	...
D.-Temporary pasture reserves in the Melghat (Ellichpur) ...	1,06,228	1,14,887	46,430	67,266	59,798	47,621	...	...
Total ...	5,11,185	5,38,509	1,98,365	3,05,665	3,12,820	2,32,844	...	...

40. The financial results in each division may be summarized as follows :—

Division.	Class of forests.	Revenue.		Expenditure.		Surplus.		Deficit.	
		1891-92 (12 months).	1892-93 (15 months).	1891-92 (12 months).	1892-93 (15 months).	1891-92 (12 months).	1892-93 (15 months).	1891-92 (12 months).	1892-93 (15 months).
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction.	Office	368	108	22,290	33,454	...	...	21,922	33,346
Ellichpur.	Office	5	334	19,558	31,696	...	...	19,553	31,362
	A.-Timber and fuel reserves	85,148	1,12,075	30,677	57,376	54,471	54,699	...	...
	B. and C.-Grass and pasture reserves	5,962	6,522	1,157	3,535	4,805	2,987	...	...
	D.-Melghat temporary pasture reserves ...	1,06,145	1,14,707	31,284	45,084	74,861	69,623	...	...
		1,97,260	2,33,638	82 676	1,37,691	1,34,137	1,27,309	...	31,362
oti.	Office	5	8	5,209	8,052	...	...	5,204	8,044
	A.-Timber and fuel reserves	6,358	8,969	1,911	3,057	4,447	5,912	...	...
	B., C. and D.-Grass, and pasture reserves ...	74,438	78,265	6,283	7,990	68,155	70,275	...	...
		80,801	87,242	13,403	19,099	72,602	76,187	5,204	8,044
	ffice	63	64	4,424	9,147	...	...	4,361	9,083
	-Timber and fuel reserves	8,780	14,897	4,403	5,998	4,377	8,899	...	...
	C., and D.-Grass, and sture reserves ...	39,906	31,659	6,285	9,657	33,621	22,002	...	...
		48,74	46,620	15,112	24,802	37,998	30,901	4,361	9,083
	... ...	...	6	7,333	7,769	...	...	7,733	7,763
	er and fuel reserves.	9,803	7,299	2,827	4,125	6,976	3,174	...	...
	d D.-Grass, and eserves ...	39,381	33,128	8,053	9,300	31,328	23,828	...	...
		49,184	40,433	18,213	21,194	38,304	27,002	7,733	7,763

Division.	Class of forests.	Revenue.		Expenditure.		Surplus.		Deficit.	
		1891-92 (12 months).	1892-93 (15 months).	1891-92 (12 months).	1892-93 (15 months).	1891-92 (12 months).	1892-93 (15 months).	1891-92 (12 months).	1892-93 (15 months).
Basim.	Office	8	18	8,477	5,584	...	...	8,469	5,566
	A.-Timber and fuel reserves	10,546	4,972	6,508	8,647	4,038	...	...	3,675
	B., C. and D.-Grass, pasture reserves	44,438	43,698	5,971	9,496	38,467	34,202	...	...
		54,992	48,688	20,956	23,727	42,505	34,202	8,469	9,241
Wun.	Office	3	...	6,676	11,052	...	...	6,673	11,052
	A.-Timber and fuel reserves.	10,874	5,144	6,865	19,651	4,009	...	...	14,507
	B., C. and D.-Grass, pasture reserves	68,954	76,636	12,174	14,995	56,780	61,641	...	...
		79,831	81,780	25,715	45,698	60,789	61,641	6,673	25,559
		5,11,185	5,38,509	1,98,365	3,05,665	3,86,335	3,57,242	73,515	1,24,398
					Deduct deficit ...	73,515	1,24,398		
					Net surplus ...	3,12,820	2,32,844		

CHAPTER V.—Forest Administration.

41. The circle and controlling charges were held as follows : —

Direction Division.—Mr. F. B. Dickinson, 1st April 1892 to 30th March 1893.
Mr. Cecil Bagshawe, 31st March 1893 to 30th June 1893.

Ellichpur Division.—Mr. G. F. Prevost, Deputy Conservator of Forests, 1st April to 16th June and from 17th December 1892 to 30th June 1893.
Mr. E. M. Coventry, Assistant Conservator of Forests, 17th June to 16th December 1892.

Amraoti Division.—Mr. Rasul Khan, Extra Assistant Conservator of Forests, 1st April to 31st October 1892.
Mr. Srinivasalu Naidu, Extra Assistant Conservator of Forests, 1st November 1892 to 30th June 1893.

Akola Division.—Mr. C. Haldane, Extra Assistant Conservator of Forests, throughout the year.

Basim Division.— Do. do. do.

Buldana Division.—Mr. E. M. Coventry, Assistant Conservator of Forests, 1st April to 8th June 1892.
Mr. B. Bhukan, Extra Assistant Conservator of Forests, 9th June 1892 to 30th June 1893.

Wun Division.—Mr. Mansukh Rai, Extra Assistant Conservator of Forests, throughout the year.

Mr. Ahmed Ali, Extra Assistant Conservator, was in charge of the Melghat Sub-Division of Ellichpur throughout the year. Mr. Martin, Extra Assistant Conservator, was attached to the Ellichpur Division from 24th July 1892 to the end of the year. Mr. Coventry, Assistant Conservator of Forests, was on special duty in Ajmere and on examination leave from December 1892 to the close of the year.

42. During the year Mr. Rasul Khan, Extra Assistant Conservator of Forests, retired on a pension after serving Government faithfully for 25 years. Mr. Srinivasalu, a promising young officer, was confirmed in the grade of Extra Assistant Conservator of Forests. Mr. W. J. Peake, who obtained the upper class certificate, Forest School, Dehra Dun, in March 1893, was appointed as Probationer in June 1893.

43. Mr. Craddock has been selected as a Government student at the Dehra Dun School, which he joined in June 1893, and Messrs. Sripat Nilkant and Ambekar passed the school entrance examination in March 1893, and are now employed on probation with a view to their joining the school in June 1894.

No Berar student joined the school in 1892 or passed out in 1893, but it is hoped that one or more suitable private students will be available for appointment in 1894.

There is great difficulty in obtaining fairly educated young men of the right stamp for employ in the Berar Forests. One great cause of failure to attract good men is the poor prospects we offer our rangers, and comparing the work and pay in the forests with that in other departments, I am surprised we get as many good men as we do.

44. The scheme for the reorganization of the forest executive and protective staff has been accepted as suitable by Government, and as sanction may be expected shortly it is needless to do more than note the great difficulty with which work is carried on with the present weak staff, and it is well to record that on one occasion a loss of revenue of some Rs. 4,000 occurred in consequence of the compulsory closure of some timber works owing to the illness of the range officer, as the insufficient staff could not furnish an officer to replace him.

45. Mr. Dickinson, when proceeding on leave, recorded his satisfaction with the work of all the Extra Assistant Conservators in charge of divisions, and recent inspections at head-quarter stations show that they have kept their offices in good order. I was particularly struck with Mr. Mansukh Rai's management of his division, and I think Mr. Haldane deserves credit for having carried on the work in two large divisions during the whole year and for having (save in Amba Barwa) been most successful with his fire conservancy. Mr. Dickinson noted that he was pleased with Mr. Bhukan's work in Buldana, and I think his successful introduction of the new "C" forest working plan merits commendation.

46. Since the year closed Mr. Prevost, Deputy Conservator of Forests, has been transferred to the charge of the Coorg Forests. A reference to the reports of passed years shows the marked credit with which he has for six years administered one of the busiest divisions in India, and the record of the past year fully supports his reputation. During Mr. Prevost's charge of the Melghat he has increased the mileage of cart roads from 144 miles to 297 miles, thus opening up some of the most remote parts of the forest to export; he has started on a sound basis the new timber works in Bairagarh, thus increasing the revenue of the "A" State-forests from Rs. 34,619 to Rs. 54,699; and he has raised the total revenue of the division from Rs. 1,53,000 to Rs. 1,97,000. The continued protection from fire of the Melghat reserves is a matter on which Mr. Prevost may be congratulated and at the same time warmly commended.

47. The executive staff is well reported on, and Forest Ranger Misriprasad, in charge of the Bairagarh Sub-Division, and Forest Ranger Ramdyalsingh, in charge of Gugumal, are particularly noticed and fully merit high praise and early promotion. Forest Rangers Pandurang, Shaikh Rahman, Rughnath Sing, and Trimbak: Foresters Bhonaji Sonaji, Bhairaosingh, Mahomed Ashraf, Papana and Vittal Rao are all specially mentioned.

48. The members of the different divisional offices are generally well reported on, especially head clerks Messrs. Laxman Narayan and Mahadeo Bapuji, while Mr. Ganesh Narayan as in past years has managed the Direction Division office most satisfactorily.

49. The year has on the whole been a healthy one in all divisions, the Melghat proving the one exception owing to the outbreak of cholera and to the ordinary severe fever.

C. BAGSHAWE,

Conservator of Forests,

Hyderabad Assigned Districts.

APPENDICES.

FORESTS.

ANNUAL FORM No. 46.—(PRESCRIBED).—*Area of District Reserved Forests, 1892-93.*
(1st April 1892 to 15th June 1893.)

Division	Range.	Civil district or territory.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 15th June 1892. Acres.	Area on 15th June 1892. Equivalent in square miles.	No. and date of notification of addition or transfer.	Remarks.
			Woods.								
Ellichpur.	Ellichpur Taluk ..	Ellichpur.	Ellichpur Taluk ...	1,390	2	...	(a) 1,390	...	...	No. 184, dated 6th June 1892, for the whole division.	(a) 1,337 transfd. to class C. 53 correction of area.
	Daryapur do ..		Daryapur do ...								
			Grazing lands.								
	Ellichpur Taluk ..		Ellichpur Taluk ...	34,534	54	...	(b) 34,534	...	...		(b) 34,327 transfd to class C. 207 correction of area.
	Daryapur do ..		Daryapur do ...								
			Grass lands.								
	Ellichpur Taluk ..		Ellichpur Taluk ...	63	...	(c) 32	(c) 95	...	...	(c) No. 395, dated 29th Dec. 1892.	(c) Transferred to class B.
	Melghat do ...		Cavalry rumna ...	...	...	(d) 3,587	(e) 3,587	...	...	(d) No. 170, dated 1st June 1892.	
			Total of Ellichpur Division..	35,987	56	3,619	39,606	..	...		
			Woods.								
Amraoti.	Amraoti Taluk ...	Amraoti.	Amraoti Taluk ...	7,350	12	...	(a) 2,090	...	...	No. 184, dated 6th June 1892.	(a) Transferred to class C.
	Chandur do ..		Chandur do ...				(a) 1,473	...	...		
	Morsi do ...		Morsi do ...				(a) 1,752	...	...		
	Murtizapur do ...		Murtizapur do ...				(a) 2,095	...	...		
			Grazing lands.								
	Amraoti Taluk ...		Amraoti Taluk ...	169,089	264	(b) 36	(a) 31,873	...	...		(b) Correction of area.
	Chandur do ..		Chandur do ...				(a) 53,918	...	...		
	Morsi do ...		Morsi do ...				(a) 56,819	...	...		
	Murtizapur do ...		Murtizapur do ...				(a) 26,515	...	...		
			Grass lands.								
	Amraoti Taluk ...		Amraoti Taluk ...	13,439	21	(b) 2	(c) 7,748	...	...		(c) Transferred to class B.
	Chandur do ...		Chandur do ...				(c) 697	...	...		
	Morsi do ...		Morsi do ...				(c) 1,156	...	...		
	Murtizapur do ...		Murtizapur do ...				(c) 3,840	...	...		
			Total of Amraoti Division..	189,877	297	38	189,915	...	...		
			Woods, grazing and grass lands.								
Akola.	Akola Taluk ...	Akola.	Akola Taluk ..	18,465	29	...	18,465	...	...	No. 184, dated 6th June 1892.	(a) 40,729 acres transferred to class A. 3,511 acres transferred to class B. 2,485 transferred to class C. 99 excluded from forests being part numbers.
	Akot do ...		Akot do	450	...	...	450	...	...		
	Balapur do ...		Balapur do	25,984	41	...	25,984	...	...		
	Khamgaon do ..		Khamgaon do	518	1	...	518	...	...		
	Jalgaon do ...		Jalgaon do	1,407	2	...	1,407	...	...		
			Total of Akola Division ..	46,824	73	...	(a) 46,824	...	...		
			Woods, grazing and grass lands.								
Buldana.	Chikhli Taluk ...	Buldana.	Chickli Taluk	5,032	8	(a) 186,580	75,712	...	...	No. 184, dated 6th June 1892.	(a) Transferred from Un served Forests.
	Mehkar do ...		Mehkar do				81,911	...	..		
	Mulkapur Taluk ...		Mulkapur Taluk ...				33,989	...	...		
			Total of Buldana Division ..	5,032	8	186,580	(b) 191,612	...	...		(b) 1,308 acres trans to class B. 190,304 transferred C.
			Woods, grazing and grass lands.								
Basim.	Basim Taluk ...	Basim.	Basim Taluk	9,147	14	(a) 170,350	58,948	..	...	No. 184, dated 6th June 1892.	(a) Transferred f served For
	Pusad do ...		Pusad do				82,812	...	...		
	Mangrul do ...		Mangrul do ..				37,737	...	...		
			Total of Basim Division ..	9,147	14	170,350	(b) 179,497	...	...		(b) 179,347 class C. 150 transfe
			Woods.								
Wun.	Yeotmal Taluk ...	Wun.	Yeotmal Taluk ..	2,661	4	...	(a) 2,661	...	...	No. 184, dated 6th June 1892.	(a) 2,655 C. 6 correc
	Darwha do ...		Darwha do								
	Kelapur do ..		Kelapur do								
	Wun do ...		Wun do								
			Total ..	2,661	4	...	2,661	..	...		
			Grazing lands.								
	Yeotmal Taluk ...		Yeotmal Taluk ...	338,299	529	...	(b) 338,299	...	...		(b)
	Darwha do ...		Darwha do								
	Kelapur do ...		Kelapur do								
	Wun do ..		Wun do								
			Total ..	338,299	529	...	338,299	...	...		
			Grass lands.								
	Yeotmal Taluk ...		Yeotmal Taluk... ..	15,654	24	(c) 1,058	1,406	...	...		
	Darwha do ...		Darwha do				1,632	..	...		
	Kelapur do ...		Kelapur do				3,626	..	...		
	Wun do ...		Wun do				10,048	...	...		
			Total ..	15,654	24	1,058	(d) 16,712	...	...		
			Total of Wun Division ...	356,614	557	1,058	357,672	...	...		
			Grand Total ..	643,481	1,005	361,645	1,005,126	...	...		

FORESTS.

(BED).—*Area of District Unreserved Forests, 1892-93 (1st April 1892 to 15th June 1893.)*

		Civil district or territory.	Name of Forest.	Area on 1st April 1892.		Added during the year.	Excluded or transferred to other heads.	Area on 15th June 1892.		No. and date of notification of addition or transfer.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
Ellichpur ...	Ellichpur Taluk Dariyapur do ... Melghat do ...	Ellichpur ...	Ellichpur Taluk ... Dariyapur do ... Melghat do ...	488 586,275	1 916	(a) 1,121 ...	(b) 1,609 (b) 5,86,275	... ...	... ...	No. 184, dated 6th June 1892.	(a) Correction of area. (b) Transferred to class D.
			Total of Ellichpur Division...	586,763	917	1,121	5,87,884	...	...		
Amraoti ...	Amraoti Taluk Chandur do... Morsi do... Murtizapur do...	Amraoti ...	Amraoti Taluk ... Chandur do ... Morsi do ... Murtizapur do ...	10,890	17	...	(a) 10,890	...	...	No. 184, dated 6th June 1892.	(a) Placed under the ordinary control of the revenue authorities.
			Total of Amraoti Division...	10,890	17	...	10,890	...	...		
Akola ...	Akola Taluk Akot do... Balapur do... Khamgaon do .. Jalgaon do...	Akola ...	Akola Taluk .. Akot do ... Balapur do ... Khamgaon do ... Jalgaon do ...	38,298 6,475 23,794 16,048 19,320	60 10 37 25 30	... ...	38,298 6,475 23,794 16,048 19,320	... ...	... ...	No. 184, dated 6th June 1892.	(a) 101,131 transferred to class C. 2,804 part numbers not notified, excluded.
			Total of Akola Division ...	103,935	162	...	(a) 103,935	...	...		
Buldana ...	Chikli Taluk... Mehkar do ... Malkapur do ...	Buldana ...	Chikli Taluk ... Mehkar do ... Malkapur do ...	200,131	313	...	(a) 200,131	...	...	No. 184, dated 6th June 1892.	(a) 186,580 acres transferred to District Reserved Forests. 11,538 excluded as part numbers now being surveyed, and 2,013 placed under the ordinary control of revenue authorities.
			Total of Buldana Division...	200,131	313	...	200,131	...	...		
Basim ...	Basim Taluk... Pusad do ... Mangrul do ...	Basim ...	Basim Taluk ... Pusad do ... Mangrul do ...	361,201	564	...	(a) 361,201	...	...	No. 184, dated 6th June 1892.	(a) 170,350 acres transferred to District Reserved Forests. 7,478 correction of area. 183,373 transferred to class D.
			Total of Basim Division ...	361,201	564	...	361,201	...	...		
Wun ...	Yeotmal Taluk Darwha do ... Kelapur do ... Wun do ...	Wun ...	Yeotmal Taluk ... Darwha do ... Kelapur do ... Wun do ...	129,567	202	...	(a) 129,567	...	...	No. 184, dated 6th June 1892.	(a) 98,088 placed under the ordinary control of the revenue authorities. 31,479 transferred to class D.
			Total of Wun Division ...	129,567	202	...	129,567	...	...		
			Grand Total ...	1,392,487	2	1,121	13,93,608	...	...		

FORESTS.

ANNUAL FORM No. 46.—(PRESCRIBED).—*Area of State Forests, 1892-93 (1st April 1892 to 30th June 1893.)*

Division.	Range.	Civil district or territory.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	No. and date of notification of addition or transfer.	Remarks.
			Class A.—Timber and Fuel Reserves.								
Ellichpur.	Bairagarh ...	Ellichpur.	Bairagarh ...	272,049	425	...	...	272,049	425	No. 184, dated 6th June 1892.	The demarcated State-forests which were in the returns on 1st April 1892 are equivalent to and are shown as "State-forest. class A."
	Gugumal ...		Gugumal	115,044	180	...	...	115,044	180		
	Chiknada ..		Chikalda	20,064	31	...	...	20,064	31		
			Total ...	407,157	636	...	..	407,157	636		
			Class B.—Grass Reserves (Ramnas.)								
	Ellichpur Taluk.		Ellichpur Taluk ...	...	...	(a) 95	...	95	...		(a) Transferred from Grass Lands.
	Melghat do ...		Hathighat Ramna ...	...	...	(a) 3,587	...	3,587	6		
			Total ..	...	...	3,682	...	3,682	6		
			Class C.—Pasture Reserves.								
	Ellichpur Taluk.		Ellichpur Taluk ...	...	...	( ) 27,382	...	27,382	43		(b) Transferred from Woods and Grazing Lands.
	Daryapur do		Daryapur do ..	...	...	( ) 8,282	...	8,282	13		
	Melghat do		Melghat do ...	...	...	...	...	...	...		
			Total ..	...	...	35,664	...	35,664	56		
			Class D.—Temporary Pasture Reserves.								
	Melghat Taluk...		Melghat Taluk ...	...	...	(c) 586,275	...	586,275	916		(c) Transferred from District Unreserved Forests.
	Ellichpur do ...		Ellichpur do ...	...	...	(c) 1,352	...	1,352	2		
	Daryapur do ...		Daryapur do ...	...	...	(c) 257	...	257	...		
			Total ...	...	...	587,884	...	587,884	918		
			Total of Ellichpur Division.	407,157	636	627,230	...	1,034,337	1,616		
			Class A.—Timber and Fuel Reserves.								
Amraoti.	...	Amraoti.	Chirodi	8,154	13	(a) 1	...	8,155	13	No. 184, dated 6th June 1892. (b) No. 195-A, dated 6th June 1892.	(a) Correction of area due to fractions of an acre.
	...		Mohdari	4,075	6	...	(b) 19	4056	6		
			Total ..	12,229	19	1	19	12,211	19		
			Class B.—Grass Reserves (Ramnas.)								
	Amraoti Taluk.		Amraoti Taluk ...	...	...	7,748	...	7,748	12	No. 184, dated 6th June 1892.	
	Chandur do ...		Chandur do ...	...	...	697	...	697	1		
	Morsi do ...		Morsi do ...	...	...	1,156	...	1,156	2		
	Murtizapur do ...		Murtizapur do ...	...	...	3,840	...	3,840	6		
			Total ...	...	...	(a) 13,441	...	13,441	21		(a) Transfered from [illegible] Lands.
			Class C.—Pasture Reserves.								
	Amraoti Taluk.		Amraoti Taluk ...	...	...	33,962	...	33,962	53		
	Chandur do ...		Chandur do ...	...	...	55,331	...	55,331	86		
	Morsi do ..		Morsi do ...	...	...	58,571	...	58,571	91		
	Murtizapur do ...		Murtizapur do ...	...	...	28,610	...	28,610	45		
			Total ...	...	...	(b) 176,474	...	176,474	275		(b) Transferred [illegible] and Grazing [illegible]
			Total Amraoti Division.	12,229	19	189,916	19	202,126	315		
			Class A.—Timber and Fuel Reserves.								
Akola.	...	Akola ...	Loni	908	1	...	...	908	1	No. 184, dated 6th June 1892.	
	...	Do ..	Bhongaon	1,389	2	...	...	1,389	2		
	Ghatbori ...	Akola, Buldana and Basim.	Ghatbori including Mandwa.	28,452	45	...	(a) 2,623	25,829	40		
	...	Akola ..	Borgaon	1,461	2	...	(b) 1,461	...	...		
	Ambabarwa ...	Akola and Ellichpur.	Ambabarwa ...	32,300	51	(c) 1	...	32,301	51		(a) [illegible] T[illegible]
	Morna ...	Akola ...	Morna	...	...	(d) 14,985	...	14,985	23		
	Balapur ...	Do ...	Balapur	...	...	(d) 25,743	...	25,743	40		
			Total ...	64,510	101	40,729	4,084	101,155	157		
			Class B.—Grass Reserves (Ramnas.)								
	Akola Taluk.		Akola Taluk ...	...	...	4,874	...	4,874	8		
	Akot do ...		Akot do ...	...	...	...	...	...	...		
	Balapur do ..		Balapur do ...	...	...	98	...	98	...		
	Khamgaon do ...		Khamgaon do ...	...	...	...	...	...	...		
	Jalgaon do ...		Jalgaon do ...	...	...	...	...	...	...		
			Total ...	...	...	(e) 4,972	...	4,972	8		

FOREST.

ANNUAL FORM No. 46—(PRESCRIBED).—*Area of State Forests,* 1892-93 (*1st April* 1892 *to 30th June* 1893.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1893. Acres.	Area on 30th June 1893. Equivalent in square miles.	No. and date of notification of addition or transfer.	Remarks.
			Class C.—Pasture Reserves.								
Akola.	Akola Taluk	Akola.	Akola Taluk ...	...	...	38,232	(*g*) 18	38,214	60	No. 184, dated 6th June 1892.	(*g*) Given out for cultivation *vide* Commissioner's No. 3661, dated 8th June 1892
	Akot do		Akot do ...	...	...	6,768	...	6,768	11		
	Balapur do		Balapur do ...	...	...	21,671	...	21,671	34		
	Khamgaon do		Khamgaon do ...	...	...	16,304	...	16,304	25		
	Jalgaon do		Jalgaon do ...	...	...	20,641	...	20,641	32		
			Total ...	...	...	(*f*) 103,616	18	103,598	162		(*f*) 2,485 transferred from District Reserved Forests. 101,131 transferred from Unreserved Forests.
			Total of Akola Division.	64,510	101	149,317	4,102	209,725	327		
			Class A.—Timber and Fuel Reserves.								
Buldana.	Gerumatergaon	Buldana.	Gerumatergaon ...	46,405	73	...	...	46,405	73	No. 184, dated 6th June 1892	
	Amdari		Amdari	13,719	21	(*a*) 1	...	13,720	21		(*a*) Correction of area.
			Total ...	60,124	94	1	...	60,125	94		
			Class B.—Grass Reserves (Ramnas.)								
	Chikhli Taluk		Chikhli Taluk ...	...	...	661	...	661	1		
	Mehkar do		Mehkar do ...	...	..	805	...	805	1		
	Malkapur do		Malkapur do ...	...	...	57	...	57	...		
			Total ...	...	...	(*b*) 1,523	...	1,523	2		(*b*) 1,308 acres transferred from Grass Lands under District Reserved Forests. 215 transferred from Pasture Reserves, Class C.
			Class C.—Pasture Reserves.								
	Chikhli Taluk		Chikhli Taluk ...	...	...	75,266	(*c*) 215	75,051	117		(*c*) Transferred to Class B.
	Mehkar do		Mehkar do ...	...	...	81,106	...	81,106	127		(*d*) 999 transferred from Woods.
	Malkapur do		Malkapur do ...	...	...	33,932	...	33,932	53		189,305 transferred from Grazing Lands.
			Total ..	...	...	(*d*) 190,304	215	190,089	297		
			Total of Buldana Divn..	60,124	94	191,828	215	251,737	393		
			Class A.—Timber and Fuel Reserves.								
	Penganga ...		Penganga	12,162	19	...	...	12,162	19	No. 184, dated 6th June 1892.	
	...		Rui	6,668	10	...	...	6,668	10		
	...		Gahuli	9,508	15	...	...	9,508	15		
	Kinwat ...		Kinwat	94,138	147	...	...	94,138	147		
	...		Medsi	1,116	2	...	...	1,116	2		
	...		Mohoja	2,111	3	...	...	2,111	3		
	..		Chandus	3,016	5	...	...	3,016	5		
	...		Ekburji	172	...	...	(*a*) 172	...	...		
	...		Andharsawangi ...	...	...	(*g*) 2,622	...	2,622	4		(*a*) Transferred to Clas B.
			Total ...	128,891	201	2,622	172	131,341	205		(*g*) Transferred from Akola.
			Class B.—Grass Reserves (Ramnas.)								
	...m Taluk ...	Basim-	Basim Taluk ...	...	...	(*b*) 172	...	172	...		(*b*) Transferred from Timber and. Fuel Reserves Class A
	...d do ...		Pusad do ...	...	...	...	...	...	...		
	...grul do ...		Mangrul do ...	...	...	(*c*) 150	...	150	...		(*c*) Transferred from Grass Lands under District Reserved Forests.
			Total ...	...	...	322	...	322	...		
			Class C.—Pasture Reserves.								
	...aluk ...		Basim Taluk ...	...	...	58,948	...	58,948	92	No. 184, dated 6th June 1892.	
	...do ...		Pusad do ...	...	...	82,812	...	82,812	129		
	...o ...		Mangrul do ...	...	...	37,587	...	37,587	59		(*d*) Transferred from Woods and Grazing Lands under District Reserved Forests.
			Total ...	...	...	(*d*) 179,347	...	179,347	280		
			Class D.—Temporary Pasture Reserves.								
			Basim Taluk ...	...	...	17,400	(*f*) 26	17,374	27		(*f*) Given out for cultivation.
			Pusad do ...	...	...	118,899	...	118,899	186		
			Mangrul do ...	...	...	47,074	...	47,074	73		
			Total ...	...	..	(*e*) 183,373	26	183,347	286		(*e*) Transferred from Unreserved Forests.
			Total of Basim Division.	128,891	201	365,664	198	494,357	771		

FORESTS.

ANNUAL FORM No. 46—(PRESCRIBED).—*Area of State Forests,* 1892-93.
(*1st April* 1892 *to* 30*th June* 1893).

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st April 1892. Acres.	Area on 1st April 1892. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1892. Acres.	Area on 30th June 1892. Square miles.	No. and date of notification of addition or transfer.	Remarks.
			Class A.—Timber and Fuel Reserves.								
Wun.	Kelapur ...	Wun.	Kelapur	40,293	63	1,257	...	41,550	65	No. 155, dated 6th June 1893.	
			Ghordara	3,941	6	...	...	3,941	6		
			Nidha	10,598	17	(*a*) 7	...	10,605	17	No. 101, dated 13th Apl. 1892.	(*a*) Correction of area.
	Wun ..		Tiwsala	4,873	8	...	...	4,873	8		
			Phiski	2,342	4	...	...	2,342	4		
			Bhiokund	3,433	5	...	...	3,433	5		
			Pawnar	3,934	6	...	...	3,934	6		
	Yeotmal ..		Gondwakri ...	16,359	26	...	...	16,359	26		
			Kharad	15,514	24	(*f*) 2,619	...	18,133	28	No. 156, dated 7th June 1893.	(*f*) Area transferred from D Class forests.
			Anjankheir ...	7,634	12	...	...	7,634	12		
			Lonebehel	9,187	14	...	...	9,187	14		
	Darwha ...		Pathrot	2,980	5	...	...	2,980	5		
			Dabhdi	7,788	12	...	...	7,788	12		
			Umbardi	1,990	3	...	...	1,990	3		
			Total ...	130,866	205	3,883	...	134,749	211	No. 184, dated 6th June 1892.	
			Class B.—Grass Reserves (Ramnas.)								
	Yeotmal Taluk ...		Yeotmal Taluk ...	...	...	1,406	...	1,406	2		
	Darwha do ...		Darwha do ...	...	...	1,632	...	1,632	2		
	Kelapur do ...		Kelapur do ...	...	...	3,626	...	3,626	6		
	Wun do ...		Wun do ...	...	...	10,048	...	10,048	16		
			Total ...	...	...	(*b*) 16,712	...	16,712	26		(*b*) Transferred from Grass Lands under District Reserved Forests.
			Class C.—Pasture reserves.								
	Yeotmal Taluk .		Yeotmal Taluk ...	...	...	61,978	...	61,978	96		
	Darwha do ...		Darwha do ...	...	...	(*f*) 129,161	...	129,161	202	No. 157. dated 7th June 1893.	(*f*) Area transferred from Class D.
	Kelapur do ...		Kelapur do ...	...	...	72,672	...	72,672	114		
	Wun do ..		Wun do ...	...	...	74,318	...	74,318	116		
			Total ...	...	...	(*c*) 338,129	...	338,129	528		(*c*) Transferred from Woods and Grazing Lands under District Reserved Forests.
			Class D.—Temporary Pastnre Reserves.								
	Yeotmal Taluk .		Yeotmal Taluk ...	...	...	(*e*) 860	...	860	1		(*d*) 625 acres correction of area.
	Darwha do ...		Darwha do ...	...	...	(*d*), (*e*) 3,529	(*f*) 3,082	457	1		(*e*) 31,479 transferred from Unreserved Forests.
	Kelapur do ...		Kelapur do ...	...	...	(*e*) 8,777	...	8,777	14		(*f*) Area transferred to C and A classes.
	Wun do ...		Wun do ...	...	...	(*e*)18,928	...	18,928	30		
			Total ...	...	...	32,104	3,082	29,022	46		NOTE.—The deficiency of 3 square miles in the grand totalis due to the fractions of miles in the divisional totals.
			Total of Wun Division..	130,866	205	390,828	3,082	518,612	811		
			Grand Total ...	803,777	1,256	1,914,783	7,616	2,710,944	4,233		

Abstract Area of State Forests on 30th June 1893

Division.	Range.	Civil District or Territory.	Name of Forest.	i. Timber and Fuel Reserves (A.) Acres.	i. Timber and Fuel Reserves (A.) Square miles.	ii. Grass Reserves (B.) wcres.	ii. Grass Reserves (B.) Sq. M.	iii. Pasture Reserves. (C.) Acres.	iii. Pasture Reserves. (C.) Square miles.	iv. Temporary Pasture Reserves (D.) Acres.	iv. Temporary Pasture Reserves (D.) Square miles.	Total. Acres.	Total. Square miles.
	Ellichpur			407,157	636	3,682	6	35,664	56	587,884	918	1,034,387	1,6
	Amraoti			12,211	19	13,441	21	176,474	275	...	...	202,126	
	Akola			101,155	157	4,972	8	103,598	162	...	...	209,725	
	Buldana			60,125	94	1,523	2	190,089	297	...	...	251,73	
	Basim			131,341	205	322	...	179,347	280	183,347	286	494	
	Wun			134,749	211	16,712	26	338,129	528	29,022	46	5	
			Total...	846,738	1,322	40,652	63	1,023,301	1,598	800,253	1,250		

FORESTS.

ANNUAL FORM No. 48.—*Record of demarcation and maintenance of boundaries, 1892-93, in the State forests of Class A.*

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.		Remarks.
								On new work.	On repairs.	
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
(ELLICHPUR DIVISION.)										
Bairagarh	...	...	115	115	...	47	162	...	...	
Gugumal	...	...	52	52	...	26	78	...	...	
Chikalda	...	10	26	36	...	20	56	...	14	
Total ...	..	10	193	203	...	93	296	...	14	
(AMRAOTI DIVISION.)										
Chirodi	...	18	...	18	...	2	20	...	7	
Mehdari	...	12	...	12	...	...	12	...	...	
Total ...	...	30	...	30	...	2	32	...	7	
(AKOLA DIVISION.)										
Ghatbori	...	66	...	66	...	10	76	...	19	
Amba Barwa ..	33	3	...	36	...	8	44	399	...	
Loni	...	...	...	...	...	...	...	...	...	Demarcated by field boundary marks only.
Bhongaon	...	...	...	...	...	...	...	...	...	
Morna	...	...	...	...	...	...	...	...	...	
Balapur	...	...	...	...	...	...	...	...	...	
Total ...	33	69	...	102	...	18	120	399	19	
(BULDANA DIVISION.)										
Gerumatergaon ...	2	37	...	39	...	8	47	16	32	(a) Consequent on survey of part numbers
Amdari	(a) 4	43	...	47	...	...	47	13	61	
Total ...	6	80	...	86	...	8	94	29	93	
(BASIM DIVISION.)										
Penganga	...	30	...	30	...	...	30	(b) 63	100	(b) New stone pillars on old cleared line.
... ...	...	28	...	28	...	...	28	...	24	
... ...	..	15	...	15	...	...	15	...	...	
... ...	...	40	..	40	...	...	40	...	50	
... ...	...	...	...	...	...	...	...	...	5	
... ...	...	10	...	10	...	...	10	...	10	
... ...	...	...	...	...	...	...	...	...	30	
... ...	...	10	...	10	...	...	10	...	6	
Total ...	...	133	...	133	...	...	133	63	225	
DIVISION.)										
...										
...										
...										
...										
...										
...										
...	27	12	278	317	10	9	336	316	68	
...										
...										
...										
..										
	27	12	278	317	10	9	336	316	68	
	66	334	471	871	10	130	1,011	807	426	

outer perimeter, the limits of enclosures of private or other lands within the forests, but not
h as blocks, compartments, coupes,

FORESTS.

ANNUAL FORM No. 49.—*Statement of forest areas surveyed and under survey during the year 1892-93.*

Division.	Areas surveyed and under survey during the year.																									Areas remaining to be taken under survey.	Total forest area at end of the year, as per Form No. 46.	Cost.			Remarks.
	Special surveys—Maps on 4″ and 2″ scale by Forest Survey Branch.								Ordinary, included in District Surveys.								Chain and compass or other surveys by local officers.													
	With interior details 4″ scale.					Boundary surveys 16″ survey.			With interior details.					Boundary surveys.			With interior details.					Boundary surveys.							
	With details of growing stock.		Without details of growing stock.		Total cost.				With details of growing stock.		Without details of growing stock.		Total cost.				4″ or over.		Under 4″		Total cost.									
	Previous.	Of the year.	Previous.	Of the year.		Previous.	Of the year.	Total cost.	Previous.	Of the year.	Previous.	Of the year.		Previous.	Of the year.	Total cost.	Previous.	Of the year.	Previous.	Of the year.		Previous.	Of the year.	Total cost.						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Rs.	Sq. ms.	Sq. ms.	Rs.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Rs.	Sq. ms.	Sq. ms.	Rs.	Sq. ms.	Sq. ms.	Sq. ms.	Sq. ms.	Rs.	Sq. ms.	Sq. ms.	Rs.	Sq. ms.	Sq. ms.	Rs.	Rs.	Rs.	
Ellichpur Division.																														
Melghat taluk ...	(a) 1,660	...	...	...	4″ scale Rs. 80 per sq. m. 2″ scale Rs. 57 per sq. m. Rs. 2-12-415.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,616	2,12,415	...	2,12,415	
Buldana Division.																														
Gerumatergaon State-forest of class A. ...	(b) 73	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21	393	...	...	...	
Divided (or Paiki) Nos. Chikhli and Malkapur ... bordering Gerumata and Amdari ...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29	359	...	...	...	359	359	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	315	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	106	327	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	205	771	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	211	811	...	...	...	

(a) Partly on 2″ scale, partly 4″ scale.
(b) 4″ scale.

No. 50.—*Progress made in Working Plans*, 1892-93.

	Areas for which working plans are being compiled.			Areas for which working plans have still to be taken in hand.	Total forest area, as in Form No. 46.	Entire cost per square mile, of working plans completed.	Remarks.
	During the year.	At commencement of the year.	Taken in hand during the year.				
	2	3	4	5	6	7	8	9
	Square miles.	Square miles.	Square miles.	Square miles.	Square miles	Square miles.	Rs.	
Ellichpur ...	...	...	Bairagarh 425 Gugumal 180	...	Chikalda 31 and the forests in settlement.	1,616	...	Rs. 206 were charged in Basim for working plans and Rs. 10 in Wun; with these exceptions there were no special charges, so the cost per mile is not given.
Amraoti ...	...	...	...	Chirodi ... 13 Babul tracts 12 Amraoti hills 48	Mehdari ... 6 "C" forests... 226 "B" forests... 10	315	...	
Akola ...	...	Loni ... 1 Bhongaon ... 2 Babul tracts 4	...	...	Ghattori ... 40 Amba Barwa 51 Morna ... 23 Balapur ... 40 "C" forests... 158	327	...	
Buldana ...	C. State Forests, sq. m. ... 295	...	...	Gerumatergaon 73 Amdari 21	Nil.	393	...	
	Basim Taluk.							
Basim ...	C. State Forests, sq. m. ... 92	...	Penganga 19 Kinwat 147	Chandus ... 5 Medsi ... 2 Andharsawangi 4	Rui ... 10 Gahuli ... 15 Mohoja ... 3 "C" & D forests 474	771	...	
Wun ...	C. State Forests, sq. m. ... 528	Pathrot ... 5	...	...	Kelapur ... 65 Ghordara ... 6 Nidha ... 17 Tiwsala ... 8 Phiski ... 4 Pownar ... 6 Bhiokund ... 5 Gondwakri ... 26 Kharad ... 28 Anjankheir ... 12 Lonebehel ... 14 Dabhdi ... 12 Umberdi ... 3 Forests under settlement ... 46	811	...	

FORESTS.

ANNUAL FORM No. 51.—*Communications and Buildings during the year* 1892-93.

Division.	New work undertaken during the year.						Repairs executed during the year.						Remarks.
	Buildings.		Roads and paths.			Total expenditure on new work.	Buildings.		Roads and paths.			Total expenditure on repair.	
	Description of Building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.		Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rest-houses.	Rs.		Miles.	Rs.	Rs.	*Rest-houses.*	Rs. a.	*Roads, general repairs.*	Miles.	Rs.	Rs.	
	Hatru (permanent) ...	1,900	Object of all roads is extraction of timber, fuel, bamboos and minor produce.				Makla repairs, roof ...	106 7	Sembadoh-Biba ...	35	815		
	Chopan (temporary) ...	200					Hatru, petty ...	46 0	Sembadoh Makla ...	7	195		
	Rajadoh do ...	200					Kolkaz, petty ...	73 6	Sembadoh Chikalda...	17	752		
	Patulda (permanent).	1,900					Raipur, petty ...	26 5	Raipur Patia ...	18	260		
			Kuapati Bichukhera cart road ...	11	4,890		Jarida, petty ...	15 14½	Makla Biba ...	25	400		
	Out-houses to rest-houses.		Raipur Chopan cart road	6	2,076		Chawrakund, petty ...	91 4	Raipur Jarida ...	16	188		
							Chopan (temporary)..	8 12	Pili Kolkaz ...	5	100		
	Raipur, (permanent).	330	Koha Banam cart road	6½	1,991		Dakna, petty ...	9 1	Chawrakund Butrum.	12	188		
	Jarida, do ...	330	Belkund Chipi cart road	5	3,998		Rangrao Churni, repairs, roof, &c. ...	66 12½	Rangobeli Chopan ...	9	105		
	Kolkaz, do ...	330	Chipi Kokto cart road	4	1,145		Conservator's bungalow, re-thatching and in part re-timbering.	1,675 15⅓	Kuapati Mangia ...	6½	88		
	Chawrakund, do ...	330	Kasod Dhargarh (1st section) cart road...	4	2,215		Peach grove, rebuilding kitchen and bullock shed ..	542 12	Malur Dasipati ...	7	142		
	Rangrao Churni do ...	325	Kokto Gurgapati cart road	1½	478				Hatru Butrum ...	8	115		
	...aers' quarters.		Gurgapati Bori ...	1½	692				Chunkeri Kharimal...	3	43		
									Dasipati Kalamkhar..	24	224		
									Chikalda Bandam ...	35	449		
	...ent)	750					*Guards' huts (Thanas).*		Kolkaz Rangrao churni	12	142		
		750							Kund Sakri ...	5	62		
									Rangraochurni Koha.	5	76		
									Koha Banam ...	6½	37		
							Makla, petty ...	12 8	Chikalda Dhamangaon	15	592		
							Sirasban, petty ...	11 8	Karas road ...	50	725-8-4		
							Raipur, petty ...	17 1					

Pili, petty ...	9	10
Awagarh, petty ...	6	10
Harisal, petty ...	11	4
Hatru, petty ...	8	4
Rangobeli, petty ...	32	10
Patia, petty ...	10	8
Biba, petty ...	7	15
Somitha, petty ...	7	0
Ambadoh, petty ...	8	0
Sembadoh, petty ...	27	2
Kolkaz, petty ...	21	0
Chaorakund, petty ...	11	6
Borda, petty ...	6	8
Jarida, petty ...	5	10
Dhakna, petty ...	8	4
Patulda, petty ...	4	12
Tarubanda, petty ...	4	14
Koha, petty ...	4	8
Chiladari, petty ...	4	8
Bairat, petty ...	4	8
Dolar, petty ...	4	14
Bori, petty ...	4	14
RangraoChurni, petty.	4	14
Chikalda, petty ...	35	5
Revenue Depóts (Nakas),		
Jhiri, petty ...	22	14
Dhamangaon, petty...	25	12
Deogaon, petty ...	15	0
Kharpi, petty ...	15	0
Kasod, petty ...	9	4
Wagdoh, petty ...	12	1½
Bairam, petty ...	7	2
Wagholi, petty ...	5	0
Kalamkhar, petty ...	10	0
Khirkhera, petty ...	23	0
Ambadi, petty ...	15	13
Ellichpur Belkheir ...	3	15
Bairagarh foot paths.	27	153
Gugumal do ...	25	1

FORESTS.

ANNUAL FORM No. 51.—*Communications and Buildings during the year* 1892-93—contd.

Division.	New work undertaken during the year.						Repairs executed during the year.						
	Buildings.		Roads and paths.			Total expenditure on new work.	Buildings.		Roads and paths.			Total expenditure on repairs.	Remarks.
	Description of buildings.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.		Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles.	Rs.	Rs.		Rs. a.		Miles.	Rs.	Rs.	
Ellichpur.—*contd.*							Chinchona, petty ...	9 10					
							Malhara, petty ...	12 8					
							Kajaldoh, petty ...	3 0					
							Susirda, petty ...	5 0					
							Pingli, petty ...	25 0					
							Papatkhera, petty ...	15 0					
							Oopadkhera, petty ...	7 2					
	Total Ellichpur Division	8,795	...	39½	17,485	26,280	...	3,196 0	...	376	5,867	9,063	
							Rest-houses.						
			Wadali Pohora road...	7	1,046		Pohora	45 0					
							Guards' huts (Thanas).						
							Sawanga ...	7 0					
							Pohora	25 0					

						Mehdari ...		1	0				
						Raperi		71	0				
	... ...		7	*1,046	1,046			149	0		...	...	149
Akola.	*Guards' huts (Thanas).*					*Guards' huts (Thanas).*							
	Ghatbori ...	30				General repairs to guards' huts (Thanas) 6 at Rs. 6 each ...		36	0	General repairs to country roads ...	27	36	
										Do. ...	$1\frac{3}{4}$	4	
										Do. ...	7	11	
	Total Akola Division.	30	...	...	30			36	0		$35\frac{3}{4}$	51	87
Buldana.	*Guards' huts (Thanas).*					*Rangers' quarters.*							
	Dattpur ...	250				Buldana, thatching...		34	0				
						Guards' huts (Thanas).							
						Matergaon, repairs, wood work ...		4	0				
						Dattpur, thatching ...		10	0				
						Khamkheir „ ...		18	0				
						Kurah „ ...		22	0				
						Girda		12	0				
	Total Buldana Division ...	250	...	...	250			100	0		...	...	100

* Rs. 500 contributed by the District Board.

FORESTS.

ANNUAL FORM No. 51.—*Communications and Buildings during the year* 1892-93—concld.

Division.	New work undertaken during the year.						Repairs executed during the year.						
	Buildings.		Roads and paths.			Total expenditure on new work.	Buildings.		Roads and paths.			Total expenditure on repairs.	Remarks.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.		Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Rs.		Miles.	Rs.	Rs.		Rs. a.		Miles.	Rs.	Rs.	
	Guards' huts (Thanas).						*Guards' huts (Thanas).*		*Roads, general repairs.*				
	Kurli	60	Gadi and Jawli ghats.	1	79		Ordinary repairs to—			chains			
							Sondabhi, Morchandi, Bhawani, Darati, Korat ...	30 0	Marwadi to Pandhurna	140	5		
									Do Satarmal..	140	5		
									Do Mandura..	miles 2, chains 10	27		
							Ordinary repairs to—			miles			
							Nandura, Hiwalni, Satarmal, Marwadi ...	74 0	Satarmal to Mandura	3	4		
									Januna to Hiwalni ...	2	4		
									Kini to Rui ...	3	7		
									Januna to Pimpalsenda	1½	1		
							Rui, petty repairs ...	17 0	Yedsi to Rui ...	1	2		
							Wanoja, petty repairs.	20 0	Singadghat road cutting and collecting trees	...	15		
							Januna, do	5 0					
							Jamon, do	5 0					
							Gahuli, do	5 0					
							Regaon, thatching ..	10 0	Ordinary repairs to roads	...	7		
							Medsi do ...	10 0	Do ...	...	2		
							Andharsawangi do ...	10 0	Do ...	...	12		

			1	79	139		186 0		...	99	285
...houses.						*Out-houses to rest-houses.*		*Roads, general repairs.*			
...rdi (permanent) ...	477	Tracing road from						Bothgawhan to Path-			
Sawargaon do ...	636	Jadmohu to Yella-				Pathrot thatching ...	25 0	rot and Pathrot to			
Sunna do (partly constructed).	618	bora-Kelapur re-				*Guards' huts (Thanas).*		Amshet ...	...	4	
		serve bamboo ex-									
		port	...	1		Yellabora thatching...	5 0				
Out-houses to rest-houses.											
Stable at Pardi ...	26										
Rangers' quarters.											
Kurah (temporary) ...	81										
Guards' huts (Thanas).											
Ghousa (temporary)...	49										
Revenue Depôts (Nakas).											
Wun (permanent) ...	250										
Pandharkaora do ...	235										
Do (temporary).	15										
Yeotmal (permanent).	104										
Darwa, part payment..	14										
Total, Wun Division.	2,505		...	1	2,506		30 0	...	...	4	34

Wun.

								Do ...	5	8		

FORESTS.

ANNUAL FORM No. 52.—*Register of breaches of Forest Rules during* 1892-93.

Forest Division.		Cases pending from 189-9.	New cases of the year. Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals Cases.	Acquittals Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.	Remarks.
Ellichpur.																
A, timber and fuel reserves	A	...	2	1	...	1	5	15	4	19	1	3	5	22	...	
	B	...	1	11	1	...	13	13	13	15	...	...	13	15	...	
	C	...	...	2	...	...	2	2	...	...	...	...	...	...	...	
B, grass reserves (ramnas)	A	...	...	1	...	...	1	1	1	2	...	...	1	2	...	
	B	...	...	2	...	...	2	2	2	11	...	...	2	11	...	
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
C, pasture reserves (classes i & ii)	A	...	...	3	1	...	4	4	2	6	2	9	4	15	...	
	B	...	...	10	1	...	11	11	11	13	...	...	11	13	...	
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
D, temporary pasture reserves	A	...	...	42	3	...	45	45	38	90	7	11	45	101	...	
	B	...	...	44	...	...	44	44	44	71	...	...	44	71	...	
	C	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Total 1892-93	A	...	2	48	4	1	55	55	45	117	10	23	55	140	...	
	B	...	1	67	2	...	70	70	70	110	...	...	70	110	...	
	C	...	...	2	...	...	2	2	...	...	...	...	...	...	...	
Total 1891-92	A	...	1	78	...	2	81	81	74	130	17	16	81	146	...	
Amraoti																
A, timber and fuel reserves	A	...	...	7	7	...	14	14	12	29	2	8	14	37	...	
	B	...	...	1	...	...	1	1	1	1	...	...	1	1	...	
	A	9	5	44	12	...	61	79	49	71	15	40	64	111	6	
B, & C, grass and pasture reserves	B	...	...	81	3	...	84	84	84	100	...	...	84	100	...	
	C	...	...	4	...	...	4	4	...	...	...	...	...	...	...	
Total 1892-93	A	9	5	51	19	...	75	84	61	100	17	48	78	148	6	
	B	...	...	82	3	...	85	85	85	101	...	...	85	101	...	
	C	...	...	4	..	...	4	4	...	...	...	...	...	...	...	
Total 1891-92	A	14	1	100	8	4	113	127	103	132	15	22	118	154	9	
	C	...	...	3	...	...	3	3	...	...	...	...	...	...	...	
Akola.																
A, timber and fuel reserves	A	...	1	4	1	1	7	7	5	15	2	12	7	27	...	
	B	...	...	28	31	1	60	60	60	177	...	..	60	177	...	
	C	..	...	1	...	...	1	1	...	...	...	...	...	...	...	
B, & C, grass and pasture reserves	A	...	...	5	1	...	6	7	4	11	2	19	6	50	1	
	B	...	...	63	59	...	122	122	122	552	...	...	122	552	...	
	C	...	...	5	...	...	5	5	...	...	...	...	...	...	...	
Total 1892-93	A	1	1	9	2	1	13	14	9	26	4	31	13	57	1	
	B	...	...	91	90	1	182	182	182	729	...	...	182	729	...	
	C	...	...	6	...	...	6	6	...	...	...	...	...	...	...	
Total 1891-92	A	...	3	9	3	2	17	20	16	52	3	11	19	63	1	
	C	...	1	...	...	...	1	1	...	...	...	...	...	...	...	
Buldana.																
A, timber and fuel reserves	A	...	1	2	6	1	10	10	8	12	2	5	10	17	...	
	C	...	2	...	..	...	2	2	...	...	...	...	...	...	...	
C, pasture reserves (classes i & ii)	A	6	...	56	...	...	56	62	50	66	12	25	62	91	...	
	B	...	...	27	...	...	27	27	27	35	...	...	27	35	...	
	C	...	2	16	...	...	18	18	...	...	...	...	...	...	...	
Total 1892-93	A	6	1	58	6	1	66	72	58	78	14	30	72	108	...	
	B	...	...	27	...	...	27	27	27	35	...	...	27	35	...	
	C	...	4	16	...	...	20	20	...	...	...	...	...	...	...	
Total 1891-92	A	4	...	41	...	1	42	46	31	62	9	12	40	74	6	
	C	...	3	17	...	...	20	20	...	...	...	...	...	...	...	
Basim.																
A, timber and fuel reserves	A	2	5	2	...	2	9	11	7	11	3	10	10	21	1	
	B	...	...	18	24	2	44	44	43	129	...	...	43	129	1	
	C	...	2	1	2	...	5	5	...	...	...	...	...	...	...	
B, C & D, grass, pasture and temporary pasture reserves.	A	...	...	27	...	2	29	29	25	121	4	14	29	135	...	
	B	...	...	31	52	...	83	83	83	236	...	...	83	236	...	
	C	...	...	6	3	...	9	9	...	...	...	...	...	...	...	
Total 1892-93	A	2	5	29	...	4	38	40	32	132	7	24	39	156	1	
	B	...	...	49	76	2	127	127	126	365	...	...	126	365	1	
	C	...	2	7	5	...	14	14	...	...	...	...	...	...	...	
Total 1891-92	A	6	5	35	3	17	60	66	49	83	15	76	64	159	...	
	C	...	...	19	11	...	20	20	...	...	...	...	...	...	...	
Wun.																
A, timber and fuel reserves	A	...	8	3	11	10	32	32	25	46	6	24	31	70		
	B	...	...	6	20	4	30	30	30	30	...	...	30	30		
	C	...	7	...	...	...	7	7	...	...	...	...	...	...		
B, C D, grass, pasture and temporary pasture reserves.	A	5	1	34	5	...	40	45	33	52	12	18	45	...		
	B	...	...	59	20	5	84	84	84	101	...	...	84	1		
	C	...	...	1	...	...	1	1	...	...	...	...	...	...		
Total 1892-93	A	5	9	37	16	10	72	77	58	98	18	42	76	...		
	B	...	...	65	40	9	114	114	114	131	...	...	114	...		
	C	...	7	1	...	...	8	8	...	...	...	...	...	...		
Total 1891-92	A	...	...	18	6	36	60	60	41	51	14	19	55	...		
	C	...	8	9	...	...	17	17	...	...	...	...	...	...		
Abstract.																
A, timber and fuel reserves. 1892-93	A	2	17	20	25	15	77	79	61	132	16	62				
	B	...	1	64	76	7	148	148	147	352	...	...				
	C	...	11	4	2	...	17	17	...	...	...	...				
1891-92	A	2	10	32	16	21	79	81	64	145	11	36				
	C	...	12	5	1	...	18	18	...	...	...	...				
B C & D, grass, pasture and temporary pasture reserves. 1892-93	A	21	6	212	22	2	242	263	202	419	54	136				
	B	...	...	317	135	5	457	457	457	1,119	...	...				
	C	...	2	32	3	...	37	37	...	...	...	...				
1891-92	A	25	...	249	4	41	294	319	250	365	52	...				
	C	...	...	43	...	...	43	43	...	...	...	...				
Total 1892-93	A	23	23	232	47	17	319	342	263	551	70	4				
	B	...	1	381	211	12	605	605	604	1,471	...	...				
	C	...	13	36	5	...	54	54	...	...	...	...				
Total 1891-92	A	27	10	281	20	62	373	400	314	510	...	5				
	B	...	...	...	...	...	...	...	...	...	...	...				
	C	...	12	48	1	...	61	61	...	...	...	...				

NOTE.—A= Cases in Criminal Court. B= Cases Compounded. C= Undetected Cases.

FORESTS.

ANNUAL FORM No. 53 (PRESCRIBED).—*Area of Forest Tracts of Class A State-forests protected from fire during the dry season, 1893—[to accompany Report for 1892-93.]*

Division.	Forest tracts.	Year in which protection commenced.	Area actually protected up to 30th June 1892.	During dry season of 1893.			Cost during the season.	Remarks.
				Area attempted to be protected.	Failures.	Actually protected.		
			Acres.	Acres.	Acres.	Acres.	Rs.	
Ellichpur.	Bairagarh reserve	1872	272,049	272,049	...	272,049	1,574	
	Gugumal do ...	1877	114,814	115,044	...	115,044	736	
	Chikalda do ...	1890	20,064	20,064	...	20,064	302	
			406,927	407,157	...	407,157	2,612	
Amraoti.	Chirodi reserve ...	1881	8,154	8,155	...	8,155	257	
	Mehdari do ...	1889	4,073	4,056	...	4,056	108	
			12,227	12,211	...	12,211	365	
Akola.	Loni reserve ...	1882	908	908	...	908	...	
	Bhongaon do ...	1882	1,389	1,389	...	1,389	...	
	Ghatbori do ...	1881	(*a*) 20,320	20,344	...	20,344	610	(*a*) Andharsawangi block transferred to Basim Division.
	Mandwa do ...	1882	5,345	5,485	...	5,485		
	Borgaon do ...	1889	(*b*) 1,461	...	...	...	...	(*b*) Not specially protected, now classed as State-forest "B."
	Amba Barwa do...	1893	...	32,301	25,516	6,785	254	
			29,423	60,427	25,516	34,911	864	
Buldana.	Gerumatergaon reserve.	1880	46,405	46,405	...	46,405	218	
	Amdari reserve.	1883	13,703	13,720	6	13,714	160	
			60,108	60,125	6	60,119	378	
	Penganga reserve	1880	11,293	12,162	...	12,162	286	
	Rui do	1882	6,668	6,668	11	6,657	183	
	Gahuli reserve .. (not protected).	...	...	...	...	...	...	
	Kinwat reserve...	1881	94,138	94,138	100	94,038	1,074	
	Chandus do ...	1889	3,016	3,016	...	3,016	125	
	Medsi do ...	1889	1,116	1,116	...	1,116	75	
	Mohoja do ...	1889	2,109	2,111	...	2,111	93	
	Andharsawangi block.	1881	(*c*) 2,622	2,622	...	2,622	85	(*c*) Transferred from Ghatbori Reserve in Akola Division.
	Ekburji ...	1889	(*d*) 172	...	...	...	...	(*d*) Not specially protected, now class B.
			121,134	121,833	111	121,722	1,921	
	apur reserve	1881	39,893	(*e*) 40,293	66	40,227	742	(*e*) 1,257 acres newly added; not protected.
	ara do	1893	...	3,941	45	3,896	108	
	do	1893	...	10,605	12	10,593	118	
	a do	1882	4,873	4,873	...	4,873	185	
	do	1893	...	2,342	...	2,342	68	
	d do	1893	...	3,433	225	3,208	74	
	do	1893	...	3,934	10	3,924	151	
	ri do	1882	10,659	16,359	20	16,339	282	
	do	1882	15,234	(*f*) 15,514	3,070	12,444	351	(*f*) 2,619 acres newly added; not protected.
	do	1882	7,545	7,634	...	7,634	114	
	lo	1882	9,187	9,187	...	9,187	113	
	o	1882	2,980	2,980	...	2,980	171	
		1893	...	7,788	...	7,788	116	
		1893	...	1,990	...	1,990	124	
			90,371	130,873	3,448	127,425	2,717	
			720,190	626	29,081	763,545	8,857	

FORESTS.

ANNUAL FORM No. 54.— *Area closed and open to grazing during 1892-93.*

Division.	Area in square miles.					
	Closed to all animals.		Closed to browsers (camels, goats or sheep).		Open to all animals.	Total area
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	
1	2	3	4	5	6	7
Ellichpur.						
A, timber and fuel reserves ...	605	31	...	...	...	636
B, and C, grass and pasture reserves.	8	...	...	...	54	62
D, pasture and temporary pasture reserves.	...	...	...	...	918	918
Total ...	613	31	...	...	972	1,616
Amraoti.						
A, timber and fuel reserves ...	19	...	...	...	...	19
B, and C, grass and pasture reserves.	32	...	...	...	264	296
Total ...	51	...	...	...	264	315
Akola.						
A, timber and fuel reserves ...	94	...	63	...	...	157
B, grass reserves	8	...	...	...	...	8
C, pasture reserves	...	...	...	...	162	162
Total ...	102	...	63	...	162	327
Buldana.						
A, timber and fuel reserves ...	19	75	...	...	...	94
B, grass reserves	2	...	...	...	..	2
C, pasture reserves	1	...	...	...	296	29
Total ...	22	75	...	...	296	
Basim.						
A and B, timber, fuel and grass reserves.	190	...	15	...	...	
C and D, pasture and temporary pasture reserves.	...	...	...	...	566	
Total ...	190	...	15	...	56	
Wun.						
A, timber and fuel reserves ...	211	...	...	...		
B, grass reserves	26	...	...	...		
C and D, pasture and temporary pasture reserves	...	...	...	...		
Total ...	237	...	...	...		
Grand Total ...	1,215	106	78	...		

FORESTS.

No. 55.—*Return of grazing in the State-forests during 1892-93 (from 1st April 1892 to 30th June 1893).*

Division.	Grazing on payment. At full rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received.	Number of animals. At privileged rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received. Actual.	Value at full rates.	Grazing free. By right under settlement. Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.	Number of animals During pleasure of Government, or otherwise than under settlement. Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	Fee of duplicate passes.	Grand total of value at full rates.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
						Rs.						Rs.	Rs.						Rs.						Rs.	Rs.	Rs.	Rs.
ELLICHPUR.																												
C, pasture reserves	1,729	11,692	7,239	...	...	1,305	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1,307
D, temporary pasture reserves ...	18,774	113,964	38,333	82	...	11,009	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	11,017
Total ...	20,503	125,656	45,572	82	...	12,314	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	12,324
AMRAOTI.																											
A, timber and fuel reserves ...	2	924	...	...	...	232	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	232
B and C, grass and pasture reserves.	29,852	114,898	77,043	3	...	26,019	...	...	...	...	...	...	...	...	29,274	...	...	...	3,659	...	...	...	...	...	...	3,659	7	29,685
Total ...	29,854	115,822	77,043	3	...	26,251	...	...	...	...	...	...	...	...	29,274	...	...	...	3,659	...	...	...	...	...	...	3,659	7	29,917
AKOLA.																											
A, timber and fuel reserves ...	2,711	25,719	3,497	...	11	8,445	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,445
B and C, grass and pasture reserves.	13,325	75,449	42,158	...	109	14,943	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14	14,957
Total ...	16,036	101,168	45,655	...	120	23,388	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14	23,402
BULDANA.																											
A, timber and fuel reserves ...	1,317	18,456	...	...	...	5,273	...	...	...	...	...	...	...	...	600	...	...	...	75	...	...	...	...	...	...	75	...	5,348
C, pasture reserves	18,148	114,035	114,130	...	...	21,899	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21,899
Total ..	19,465	132,491	114,130	...	...	27,172	...	...	...	...	...	...	...	...	600	...	...	...	75	...	...	...	...	...	...	75	...	27,247
BASIM.																											
A, timber and fuel reserves ...	30	1,267	...	...	...	459	...	...	...	...	...	...	...	34	265	...	...	...	141	...	...	...	...	...	...	141	...	600
C and D, pasture and temporary pasture reserves	20,231	138,850	40,201	...	...	24,498	...	...	...	...	...	...	...	32,792	153,495	13,195	...	...	27,491	...	...	...	...	...	...	27,491	...	51,989
Total ...	20,261	140,117	40,201	...	...	24,957	...	...	...	...	...	...	...	32,826	153,760	13,195	...	...	27,632	...	...	...	...	...	...	27,632	...	52,589
WUN.																											
A timber and fuel reserves ...	12	210	...	...	...	58	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	58
C and D, pasture and temporary pasture reserves	60,660	272,669	101,171	...	...	55,613	...	...	...	...	...	...	...	...	103,990	...	...	...	12,998	...	...	...	...	...	...	12,998	...	68,611
Total ...	60,672	272,879	101,171	...	...	55,671	...	...	...	...	...	...	...	...	103,990	...	...	...	12,998	...	...	...	...	...	...	12,998	...	68,669
A ...	4,072	46,576	3,497	...	11	14,467	...	...	...	...	...	...	...	34	865	...	...	...	216	...	...	...	...	...	...	216	...	14,683
B, C and D ...	162,719	841,557	420,275	85	109	1,55,286	...	...	...	...	...	...	...	32,792	286,759	13,195	...	...	44,148	...	...	...	...	...	...	44,148	31	1,99,465
Grand Total ...	166,791	888,133	423,772	85	120	1,69,753	...	...	...	...	...	...	...	32,826	287,624	13,195	...	...	44,364	...	...	...	...	...	...	44,364	31	2,14,148

FORESTS.

ANNUAL FORM No. 56—(PRESCRIBED).—*Area of Plantations, 1892-93.*

Division.	Name of plantation.	Area in acres. On 1st April 1892.	Added during the year	Excluded during the year.	Area on 30th June 1893.	Receipts of the year.	Charges of the year.	Remarks.
	(1)—*Regular Plantations.*							
Ellichpur	Bairagarh reserve ...							All these areas are fully stocked.
	Abapur	20	...	...	20	...	...	Teak and bamboo.
	Bujru	25	...	...	25	...	...	Do. do.
	Dugapati	8	...	...	8	...	...	Do. do.
	Kanbalwari	40	...	...	40	...	...	Teak.
	Kolkaz	1	...	...	1	...	...	Bamboo.
	Luba	259	...	...	259	...	...	Teak.
	Pili	49	...	...	49	...	...	Do.
	Pipalcotah	155	...	...	155	...	...	Teak and bamboo.
	Rakiadoh	9	...	...	9	...	...	Do. do.
	Saoli	85	...	...	85	...	...	Do. do.
	Saoli and Kuritha ...	2	...	...	2	...	...	Teak.
	Sembadoh	2	..	...	2	...	...	Teak and bamboo.
	Total ...	655	...	...	655	...	...	
	(2)—*Cultural operations.*							
Direction...	Office	..	...	...	...	...	38	Collection of seeds for issue to divisions.
Ellichpur	Bairagarh reserve ...	330	...	...	330	...	24	Teak, tiwas, haldu, dhaora and bamboo.
	Pipalparao and Jamblisot	...	...	...	...	...	12	Bamboo.
	Gungamal reserve ...	751	...	...	751	...	...	Dhaora and bamboo.
	Rest-house compound at Dhakna.	...	...	...	...	...	2	Bir trees.
	Rest-house compound at Rangrao Churni.	...	...	...	...	...	2	Do.
	Chikalda reserve ..	...	...	...	...	...	153	Forest garden.
	C. pasture reserves ...	2	...	...	2	...	246	Date plantations.
	D. temporary pasture reserves.	...	...	...	...	...	31	Mango, nim and bir.
	Total ...	1,083	...	...	1,083	...	480	
Amraoti..	Chirodi reserve ...	*a* 1	*b* 1,045	...	1,046	...	677	(*a*) Sown with bamboos.
	Mehdari do. ...	...	*c* 400	...	400	...	120	(*b*) 214 acres were sown with babul seed during the rains of 1892.
	B. grass reserves ...	...	*d* 20	...	20	..	90	204 acres were sown with babul seed during the rains of 1893,
	C. pasture do. ...	10	*d* 263	...	273	...		308 acres were sown during the rains of 1892 with teak, tiwas, sadra, &c., seeds.
	Total ...	11	1,728	..	1,739	...	887	314 acres were sown during the rains of 1893, 5 acres of sawari seed of 1893, with teak, tiwas, sadra, &c., seeds.
								(*c*) 200 acres during the rains of 189 and 200 acres during the rains of 1893 sown with teak, &c., in the Mehdari r
								(*d*) Sown with babul seed, collecting an ing babul seed.
								Do. do. telia do.
Akola ...	Loni reserve	485	27	...	512	...	3	Collecting, digging and sowing seed.
	Bhongaon reserve ...	589	69	...	658	...	22	(*a*) Failure.
	Ghatbori do. ...	57	106	*a* 57	106	...	93	Collecting, ploughing and planting
	C. pasture do. ...	...	65	*b* 10	55	...	72	babul seeds.
	Total ...	1,131	267	67	1,331	...	190	(*b*) Failure.
Buldana..	Gerumatergaon reserve ...	115	80	...	195	...	62	Sowing of teak and other kinds
	Amdari reserve ...	38	65	...	103	...	28	Sowing of teak.
	C. pasture reserves ...	...	235	...	235	...	137	Sowing of babul seeds.
	Total ...	153	380	...	533	...	227	
Basim ...	Penganga reserve ...	479	495	1	973	...	225	Sowing and planting bam
	Kinwat do ...	250	670	...	920	...	150	Do.
	Medsi do ...	300	...	...	300	...	...	
	C. pasture do ..	...	17	...	17	...	3	Sowing up babul seeds.
	Total ...	1,029	1,182	1	2,210	...	378	
Wun ...	Kelapur reserve ...	170	...	...	170	...	248	On nurseries.
	Tiwsala do ...	...	...	...	...	...	32	
	Gondwakri do ...	...	...	...	...	...	54	
	Kharad do ...	...	..	...	...	...	172	
	Pathroat do ...	...	...	...	...	...	233	
	Lonebehel do ...	...	...	...	...	...	44	
	Anjankhed do ...	...	...	...	...	...	8	
	Umbarde do ...	...	...	...	...	...	40	
	Phiski do ...	...	...	...	...	...	10	
	C. pasture reserves ...	...	...	...	...	...	23	Collecting
	Total ...	170	...	...	170	...	864	
	Grand Total ...	3,577	3,557	68	7,066	...	3,064	

FORESTS.

FORM No. 57.—*Outturn (in cubic feet, solid) of timber and fuel during the year 1892-93 and Agency of Exploitation (1st April 1892 to 30th June 1893).*

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or squared timber.					Miscellaneous.					Fuel.					Total.
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Outturn.
	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.
A.—Timber and Fuel Reserves.																									
Ellichpur	...	95,429	...	...	95,429	...	31,810	...	...	31,810	...	...	...	...	...	...	...	...	...	...	...	812	...	...	812	128,051
Amraoti	...	...	...	...	...	...	211	...	...	211	...	...	...	...	...	...	...	...	...	...	...	1,911	...	...	1,911	2,123
Akola	...	...	...	...	...	...	2,144	...	...	2,144	...	...	...	...	...	...	...	...	...	...	...	77,875	...	...	77,875	80,019
Buldana	...	...	...	...	...	...	1,481	...	...	1,484	...	...	...	...	...	...	...	...	...	...	...	17,560	...	...	17,560	19,044
Basim	...	...	...	...	...	...	109	...	...	109	...	...	...	...	...	...	3,895	...	...	3,895	...	5,942	...	...	5,942	9,946
Wun	...	...	...	..	...	...	297	...	...	297	...	...	...	...	...	...	...	...	...	...	...	7,329	...	...	7,329	7,626
Total ...	...	95,429	...	...	95,429	...	36,055	...	...	36,055	...	...	...	...	...	...	3,895	...	...	3,895	...	111,429	...	...	111,429	246,808
C and D.—Pasture and Temporary Pasture Reserves.																									
Ellichpur (c only)...	...	...	...	...	...	...	28	...	...	28	...	...	...	...	...	...	...	...	...	...	...	28,437	...	...	28,437	28,465
Amraoti (c only)	...	...	...	...	...	...	1,597	952	...	2,549	...	...	...	...	...	...	...	...	...	...	...	348,146	...	...	348,146	350,695
Akola (c only)	...	...	...	...	...	...	23,932	...	...	23,932	...	...	...	...	...	...	...	...	...	...	...	223,709	...	...	223,709	247,641
Buldana (c only)	...	...	...	...	...	...	31,808	2,616	...	34,424	...	...	...	...	...	...	...	...	...	...	...	101,595	...	...	101,595	136,019
Basim (c and d only)	...	...	...	...	...	...	52,568	...	...	52,568	...	...	...	...	...	...	32,037	1,410	...	33,447	...	76,348	...	...	76,348	162,363
Wun (c and d only)	...	...	...	...	...	...	16,757	1,876	...	18,633	...	...	...	...	...	...	...	...	...	...	...	217,654	434	...	218,088	236,721
Total ...	...	...	...	...	...	...	126,690	5,444	...	132,134	...	...	...	...	...	...	32,037	1,410	...	33,447	...	995,889	434	...	996,323	1,161,904
D.—Temporary Pasture Reserves.																									
Ellichpur	...	...	...	...	...	...	356,464	...	...	356,464	...	...	...	...	...	...	...	...	...	...	...	401,925	...	...	401,925	758,389
Total ...	...	...	...	...	...	...	356,464	...	...	356,464	...	...	...	...	...	...	...	...	...	...	...	401,925	...	...	401,925	758,389
Total ...	...	95,429	...	...	95,429	..	519,209	5,444	...	524,653	...	...	...	...	...	...	35,932	1,410	...	37,342	...	1,509,243	434	...	1,509,677	2,167,101

FORESTS.

ANNUAL FORM No. 58—(PRESCRIBED).—*Outturn of Minor Forest Produce during the year 1892-93 (1st April 1892 to 30th June 1893.)*

Division.	Description of produce.	Produce removed or utilized.									
		By Government agency.		By purchasers.		By free grants.		By right holders.		Total.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
	A. TIMBER AND FUEL RESERVES.		Rs.		Rs.		Rs.		Rs		Rs.
Ellichpur...	Bamboos Nos.	...	...	3,694,593	55,419	...	...	...	...	3,694,593	55,419
	Grass ... Tons.	...	...	32	26	...	...	...		32	26
	Lac ... ... „	...	...	1	24	...	...	...	...	1	24
	Roots and fruits ... „	...	...	5	101	...	...		...	5	101
	Miscellaneous ... „	...	...	1	6	...	...	...	...	1	6
					55,576						55,576
Amraoti ...	Grass ... Tons.	...	...	1,593	4,983	15	21	...	...	1,608	5,004
	Grass auction sales.. „	...	...	...	3,451	...	...	...	..	...	3,451
	Roots and fruits ... „			29	154	...	...	...	...	29	154
	Leaves ... „	...	...	2	5	...	...	...	...	2	5
					8,593		21				8,614
Akola ...	Grass ... Tons.	...	...	2,473	2,522	...	...	..	...	2,473	2,522
	Grass auction sale... „	...	...	...	4	...	...	...	...	...	4
	Miscellaneous ... „	...	...	9	47	...	...	...	..	9	47
	Gum ... „	...	...	81	219	...	...	...		81	219
	Roots and fruits ... „	...	...	1	6	...	...	...	...	1	6
	Bamboos ... Nos.	...	...	231	5	...	...	...	...	231	5
					2,803						2,803
Buldana ...	Grass ... Tons.	...	...	1,327	1,148	...	...	..	..	1,327	1,148
	Miscellaneous ... „	...	...	13	71	...	...	...	...	13	71
					1,219						1,219
Basim ...	Bamboos ... Nos.	...	...	4,371	87	...	...	...	...	4,371	87
	Grass ... Tons.	...	...	3,158	3,259	...	...	...	...	3,158	3,[illegible]
	Miscellaneous by auction „	...	...	...	121	...	...	...	...	...	
					3,467						3,[illegible]
Wun ...	Bamboos ... Nos.	...	...	55,267	928	...	...	...	...	55,267	
	Grass ... Tons.	...	...	4,405	3,080	195	171	..	..	4,600	
	Roots and fruits auction sale... ... Tons.	...	...	...	59	...	...	...	...	...	
	Miscellaneous ... „	...	...	557	672	...	...	...	...	557	
					4,739		171				
	B. AND C. GRASS AND PASTURE RESERVES.				76,397		192				
Ellichpur ...	Grass ... Tons.	...	...	1	1	...	...	...	...		
	Grass ... „	...	...	148	94	...	...	...	...		
	Grass sale by auction „	...	...	...	1,532	...	...	...	...		
	Roots and fruits ... „	...	...	...	407	...	...	...	..		
	Leaves ... „	...	...	...	96	...	...	...	...		
					2,130						
Amraoti ...	Grass ... Tons.	...	...	211	281	...	...	...			
	Grass auction sale „	...	...	...	23,222	...	...				
	Gum ... ... „	...	...	...	256	...	...				
	Roots and fruits ... „	...	...	16	5,699	...	...				
	Leaves ... „	...	...	798	1,945	...	...				
	Minerals ... „	...	...	...	455	...					
	Miscellaneous ... „	...	...	1,480	1,957	...					
					33,815						

FORESTS.

ANNUAL FORM No. 58—(PRESCRIBED).—*Outturn of Minor Forest Produce during the year 1892-93 (1st April 1892 to 30th June 1893)*—concluded.

Division.	Description of produce.	Produce removed or utilized.									
		By Government agency.		By purchasers.		By free grants.		By right holders.		Total.	
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
			Rs.		Rs.		Rs.		Rs		Rs.
Akola	Grass ... Tons.	...	...	527	962	...	...	...	...	527	962
	Grass auction sale... „	...	...	...	37	...	...	...	...	...	37
	Leaves ... „	...	...	115	311	...	...	...	..	115	311
	Roots and fruits ... „	...	...	192	1,342	...	...	...	...	192	1,342
	Gum ... „	..	...	80	216	...	..	...	...	80	216
					2,868						2,868
Buldana	Grass ... Tons.	...	...	463	599	...	...	...	.	463	599
	Grass ... „	.	...	29	59	...	...	.	...	29	59
	Fruits ... „	...	...	307	1,646	...	...	..	...	307	1,646
	Leaves ... „	...	...	56	153	...	...	..	...	56	153
	Minerals ... „	...	...	17	49	...	...	..	...	17	49
					2,506						2,506
Basim	Bamboos ... Nos.	...	...	2,400	48	...	...	...	..	2,400	48
	Grass ... Tons.	...	...	1,030	1,055	...	...	...	...	1,030	1,055
					149	...	...	...	...		149
	Miscellaneous auction sale. Tons.	...	...	...	1,499	...	...	...	...	...	1,499
					2,751						2,751
Wun	Bamboos ... Nos.	...	...	49,849	989	2,490	58	...	...	52,339	1,047
	Grass ... Tons.	...	...	1,995	1,119	3	1	...	...	1,998	1,120
	Grass auction sale „	...	...	...	1,269	...	...	.	...	...	1,269
	Miscellaneous ... „	..	...	5,003	868	8	19	...	...	5,011	887
	Minerals ... „	...	..	...	7	...	...	...	..	...	7
	Roots and fruits auction sale. Tons.	...	...	...	6,980	...	...	...	...	...	6,980
					11,232		78				11,310
					55,302		78				55,380
	D. TEMPORARY PASTURE RESERVES.										
	Bamboos ... Nos.	...	...	553,100	11,062	...	...	...	...	553,100	11,062
	Grass ... Tons.	..	...	6,534	3,818	...	...	...	...	6,534	3,818
	Minerals ... „	...	...	16	44	...	...	...	...	16	44
	Gum ... „	...	...	11	95	...	...	...	..	11	95
	Lac ... „	..	...	20	321	...	...	...	...	20	321
	Leaves ... „	...	...	457	1,231	...	...	...	...	457	1,231
	oots and fruits „	..	...	739	2,372	...	...	...	...	739	2,372
	iscellaneous „	...	...	53	437	...	...	...	...	53	437
					19,380						19,380
	ABSTRACT.										
	os	...	...	4,359,811	68,538	2,490	58		...	4,362,301	68,596
	... ...	...	...	...	52,670	...	193	...	..	...	52,863
	d fruits ...	..	...	...	18,766	...	...	...	...	...	18,766
	... ...	...	...	...	345	...	...	.	...	...	345
	... ...	...	...	...	3,741	...	...	...	...	...	3,741
	.. ...	...	...	...	555	...	...	...	...	...	555
	. ...	...	...	...	786	...	...	..	.	...	786
	... ...	...	...	...	5,678	...	19	...	...	...	5,697
				4,359,811	1,51,079	2,490	270	...	..	4,362,301	1,51,34

FORESTS.

ANNUAL FORM No. 60.—(PRESCRIBED)—*Abstract showing the value of timber and other produce for sale at depots for the year 1892-93.*

Description of timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	C. ft	Value.	No.	C. ft.	Value.	In favor of the year.	Against the year.	
			Rs.			Rs.	Rs.	Rs.	
DIRECTION OFFICE.									
Surveying and other instruments	23	...	484	19	..	436			
Tools	18	..	9	30	...	18			
Office and rest-house furniture	125	...	525	172	...	1,375			
Tents	8	...	1,100	6	...	1,922			
Rest-house	...	...	...	1	...	2,000			
Miscellaneous	52	...	10	59	...	113			
Elephant	1	...	2,200	1	...	2,100			
	227	...	4,418	288	...	7,964	3,546	...	
ELLICHPUR.									
Surveying and other instruments	22	...	146	22	...	131			
Tools	861	...	1,148	1,261	...	1,330			
Office and rest-house furniture	389	...	1,854	508	...	2,674			
Tents	6	...	824	11	...	1,712			
Officers' quarters	2	...	8,000	2	...	7,840			
Rest-houses	9	..	9,000	11	...	12,620			
Miscellaneous	248	...	540	250	...	496			
Elephant	1	...	350	1	...	341			
Bullock	1	...	35	1	...	33			
	1,539	...	21,897	2,067	...	27,177	5,280	...	
AMRAOTI.									
Surveying and other instruments	6	...	20	8	...	31			
Tools	51	...	58	125	...	59			
Office furniture	80	...	430	88	...	382			
Tents	3	...	202	4	...	215			
Rest-house	1	...	1,450	1	...	1,000			
Miscellaneous	43	...	60	58	...	98			
	184	...	2,220	284	...	1,785	...	435	
AKOLA.									
Surveying and other instruments	5	...	98	5	...	89			
Tools	160	...	201	160	...	181			
Office furniture	57	...	249	94	...	571			
Tents	3	...	268	4	...	664			
Rest-house	1	...	783	1	...	783			
Miscellaneous	69	...	84	83	...	76			
	295	..	1,683	347	...	2,564	881	...	
BULDANA.									
Surveying and other instruments	7	...	15	10	...	26			
Tools	100	...	140	160	..	261			
Office furniture	74	...	506	82	...	512			
Tents	5	...	614	5	...	500			
Building	1	...	900	1	..	810			
Miscellaneous	92	...	92	87	...	89			
	279	...	2,267	345	...	2,198	...	69	
BASIM.									
Surveying and other instruments	11	...	66	11	...	59			
Tools	223	...	109	223	...	98			
Office furniture	59	...	32	80	..	267			
Tents	3	...	318	3	...	286			
Miscellaneous	82	...	158	93	...	165			
Elephant	1	...	978	1	...	929			
Buffalo	1	...	15	1	...	14			
	380	...	1,676	412	...	1,818	142		
WUN.									
Surveying and other instruments	23	...	240	24	...	225			
Tools	90	...	245	86	...	200			
Office furniture	70	...	924	124	...	1,262			
Tents	3	...	310	3	...	295			
Buildings	5	..	1,900	17	...	4,290			
Miscellaneous	87	...	170	104	...	170			
	278	...	3,789	358	...	6,442			
	3,182	...	37,950	4,101	..	49,94			

FORESTS.

and Expenditure of the different Divisions from April 1892 to end of June 1893.

	Direction Office.	Divisions.						Total.
		Akola.	Amraoti.	Basim.	Buldana.	Ellichpur.	Wun.	
REVENUE.								
Timber and other produce removed from the forests by Government agency—	Rs. a. p.	Rs. a. p.	Rs a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
a. Timber	...	...	...	...	...	...	..	...
b. Firewood and charcoal	...	...	...	...	...	...	...	...
c. Bamboos	...	...	...	...	...	...	...	...
d. Sandalwood	...	...	...	...	...	...	...	...
e. Grass and other minor produce ...	...	...	...	...	...	...	...	...
Total I ...	...	...	...	...	...	...	...	...
II.—Timber and other produce removed from the forests by consumers or purchasers—								
a. Timber	...	3,551 9 0	168 7 3	13,855 2 9	(c) 5,288 1 9	1,30,344 2 7	2,620 13 9	1,55,828 5 1
b. Firewood and charcoal	...	13,614 7 3	17,447 9 7	2,746 14 3	3,574 15 6	12,850 6 6	6,754 5 3	56,988 10 4
c. Bamboos	...	4 10 0	...	135 8 0	...	66,480 7 3	1,917 9 0	68,538 2 3
d. Grazing and fodder grass ...	...	26,926 7 9	59,040 5 9	29,420 2 2	28,978 7 0	17,795 3 6	61,138 15 6	2,23,299 9 8
e. Other minor produce	...	2,141 2 0	10,471 3 5	1,620 12 3	1,918 15 9	5,133 13 6	8,585 11 3	29,871 10 2
Total II ...	...	46,238 4 0	87,127 10 0	47,778 7 5	39,760 8 0	2,32,604 1 4	81,017 6 9	5,34,526 5 6
III.—Drift and waif wood and confiscated forest produce—	...	54 9 0	78 11 0	174 11 0	458 10 3	235 4 9	237 15 3	1,219 13 3
Total III ...	...	54 9 0	78 11 0	174 11 0	458 10 3	235 4 9	237 15 3	1,239 13 3

(c) Excludes Rs. 125, cost of 500 teak goles supplied to the Officer Commanding Jalna and adjusted in the Buldana Division account for March 1893, by debit to objection book advances and credit to II (*a*) now excluded from the accounts with reference to Berar Secretary's No. 2033, dated 19th June 1893, wherein the remission of the cost of goles was sanctioned by the Resident

FORESTS.

ANNUAL FORM No. 61.—*Summary of Revenue and Expenditure of the different Divisions from April 1892 to end of June 1893*—continued.

Budget Heads.	Direction Office.	Divisions.						Total.
		Akola.	Amraoti.	Basim.	Buldana.	Ellichpur.	Wun.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
REVENUE—*contd.*								
IV.—Revenue from forests not managed by Government—								
a. Duty on foreign timber and other forest produce	...	...	...	...	...	...	...	...
b. Revenue from shared and private forests	...	...	...	...	...	...	...	...
Total IV ...	...	...	...	...	...	...	...	...
V.—Miscellaneous—								
a. Fines and forfeitures	...	...	...	...	(*a*) 89 1 0	...	...	89 1 0
b. Refunds	...	27 12 9	13 15 7	23 12 0	16 12 9	334 12 6	20 3 3	437 4 10
c. Other sources	108 7 1	299 4 10	(*d*) 21 10 0	711 10 3	(*a*) 107 12 0	(*b*) 464 4 6	504 1 0	2,217 1 8
Total V ...	108 7 1	327 1 7	35 9 7	735 6 3	213 9 9	799 1 0	524 4 3	2,713 7 6
...nue ...	108 7 1	46,619 14 7	87,241 14 7	48,688 8 8	40,432 12 0	2,33,638 7 1	81,779 10 3	5,38,509 10 3

... (*c*) to V (*a*) with reference to District Forest Officer Buldana's reply in this office objection statement for February 1893, adjusted in March final.
...impounded cattle originally credited to Town Fund erroneously, now transferred to credit of Forest Department with reference to Deputy Com-

...istrict Board, Amraoti, for constructing Wadali-Pohra road, *vide* credit against V (*c*) in the cash account of Amraoti Division for ...now adjusted by debit to the former and credit to the latter head, in order to show the actual receipts and expenditure of the ...er 1892, to the address of Conservator.

FORESTS.

...ry of Revenue and Expenditure of the different Divisions from April 1892 to end of June 1893.

	...Office.	Divisions.						Total.
		Akola.	Amraoti.	Basim.	Buldana.	Ellichpur.	Wun.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
EXPENDITURE.								
A.—Conservancy and Works.								
I.—Timber and other produce removed from the forests by Government agency—								
a. Timber ...	...	...	...	...	...	...	...	...
b. Firewood and charcoal	...	...	...	...	...	...	...	...
c. Bamboos ...	...	...	...	...	...	...	...	...
d. Sandalwood ...	...	...	...	...	...	...	...	...
e. Grass and other minor produce ...	...	...	...	...	...	...	...	...
Total A-I ...	...	...	...	...	...	...	...	...
II.—Timber and other produce removed from the forests by consumers or purchasers.	...	6,399 10 0	4,892 8 0	7,096 10 3	6,699 15 10	(*d*) 10,242 9 5	10,493 14 2	45,825 3 8
Total A-II ...	...	6,399 10 0	4,892 8 0	7,096 10 3	6,699 15 10	10,242 9 5	10,493 14 2	45,825 3 8
III.—Drift and waif wood and confiscated forest produce.	...	...	...	...	...	...	...	...
Total A-III ...	...	...	...	...	...	...	...	...

(*d*) Excludes portion of Cavalry rumnah establishment and other charges, viz., Rs. 3,222-4-0, incurred from October 1892 to end of March 1893, detailed in the statement received with Conservator's No. 706, dated 17th July 1893, as chargeable to Military Department with reference to Berar Secretary's No. 2664, dated 11th August 1892, now adjusted by credit to A-II and debit to Military Department.

FORESTS.

ANNUAL FORM No. 61.—*Summary of Revenue and Expenditure of the different Divisions from April 1892 to end of June 1893*—continued.

Budget Heads.	Direction Office.	Divisions.						Total.
		Akola.	Amraoti.	Basim.	Buldana.	Ellichpur.	Wun.	
EXPENDITURE—*continued.*	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—CONSERVANCY AND WORKS—*contd.*								
IV.—Revenue from forests not managed by Government—								
a. Duty on foreign timber and other forest produce ...	...	...	...	...	...	...	...	...
b. Revenue from shared and private forests.	...	...	...	...	...	...	...	...
Total A-IV ...	...	...	...	...	...	...	...	...
V.—Rent of leased forests and payments to shareholders in forests managed by Government.	...	...	...	...	...	31,115 8 10	...	31,115 8 10
Total A-V ...	...	...	...	...	...	31,115 8 10	...	31,115 8 10
—Live stock, stores, and plant—								
of cattle ...	...	...	...	...	...	35 0 0	...	35 0 0
of cat-	1,077 9 2	...	...	901 1 4	...	1,075 13 10	...	3,054 8 4
	6	1,211 8 0	301 7 0	278 5 0	157 9 0	1,884 10 11	423 7 9	6,376 8 2
			1 7 0	1,179 6 4	157 9 0	2,995 8 9	423 7 9	9,466 0 6

FORESTS.

and Expenditure of the different Divisions from April 1892 to end of June 1893—continued.

	Divisions.												Total.		
	Rs.	a.	p.	Akola. Rs.	a.	p.	Amraoti. Rs.	a.	p.	Basim. Rs.	a.	p.	Buldana. Rs.	a.	p.	Ellichpur. Rs.	a.	p.	Wun. Rs.	a.	p.	Rs.	a.	p.
ONSERVANCY AND WORKS—*continued.*																								
VII.—Communications & Buildings—																								
a. Roads and bridges ...	...			50	11	0	(*e*) 545	15	0	178	0	0	...			23,352	10	3	4	11	9	24,132	0	0
b. Buildings ...	2,182	2	5	156	0	0	378	14	6	336	6	0	440	7	6	12,076	5	7	2,649	1	1	18,219	5	1
c. Other works ...	309	0	5	2	4	0	43	3	3	164	0	0	99	8	0	1,676	4	0	49	5	6	2,343	9	2
Total A-VII ...	2,491	2	10	208	15	0	968	0	9	678	6	0	539	15	6	37,105	3	10	2,703	2	4	44,694	14	3
VIII.—Organization, Improvement, and extension of forests																								
a. Demarcation ...	...			973	4	3	161	2	9	369	0	6	416	11	0	15	2	0	1,027	2	3	2,962	6	9
b. Cost of settlements, &c.	...			...			...			460	0	0	...			...			7,000	0	0	7,460	0	0
c. Surveys... ...	275	7	2	16	5	0	...			(*c*) 194	6	3	358	9	2	41	9	0	7	4	0	893	8	7
d. Working plans ...	...			...			...			...			...			...			10	0	0	10	0	0
e. Sowing and planting...	37	14	0	189	8	4	887	1	3	378	8	3	227	6	0	479	11	6	863	8	9	3,063	10	1
f. Protection from fire ...	...			1,067	13	0	490	6	6	1,893	3	4	532	0	0	3,102	11	9	4,103	0	5	11,189	3	0
g. Other works ...	...			...			1	0	0	(*c*) 13	0	6	...			1,124	12	3	...			1,138	12	9
Total A-VIII ...	313	5	2	2,246	14	7	1,539	10	6	3,308	2	10	1,534	10	2	4,763	14	6	13,010	15	5	26,717	9	2
IX.—Miscellaneous—																								
a. Refunds ...	...			10	0	0	...			12	0	0	23	6	7	...			10	2	0	55	8	7
b. Law charges ...	...			...			...			161	2	0	...			2	0	0	5	1	0	168	3	0
c. Other charges ...	198	6	6	49	2	0	8	1	0	34	8	0	114	12	0	666	14	0	3	14	0	1,075	9	6
Total A-IX ...	198	6	6	59	2	0	8	1	0	207	10	0	138	2	7	668	14	0	19	1	0	1,299	5	1
Total A. Conservancy and Works ...	6,200	0	2	10,126	1	7	7,709	11	3	12,470	3	5	9,070	5	1	86,891	11	4	26,650	8	8	1,59,118	9	6

(*c*) Includes Rs. 12, charges incurred on account of clearing shoots in Vr. 63, Basim Division accounts for March 1893, and debited to A-VIII (*c*) now transferred to A-VIII (*g*)—*vide* District Forest Officer Basim's No. 27, dated 19th June 1893.

(*e*) Excludes Rs. 500 (*vide* note (d) under revenue).

FORESTS.

ANNUAL FORM No. 61.—*Summary of Revenue and Expenditure of the different Divisions from April 1892 to end of June 1893*—continued.

Budget Heads.	Direction Office.	Divisions. Akola.	Amraoti.	Basim.	Buldana.	Ellichpur.	Wun.	Total
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
EXPENDITURE— *continued.*								
B.—ESTABLISMHENT.								
I.—Salaries—								
a. Conservators ...	18,451 9 9	...	...	...	...	...	...	18,451 9 9
b. Superior officers	...	4,710 11 5	3,800 0 0	700 0 0	4,121 1 2	(*b*) 18,051 13 10	6,816 1 2	38,199 11 7
c. Subordinate forest and depôt establishments ..	25 0 0	4,560 12 6	2,376 8 3	5,466 0 1	3,198 4 9	20,042 11 1	6,058 15 9	41,728 4 5
d. Office establishments ...	4,153 5 7	1,903 10 2	1,962 10 1	1,643 0 0	1,803 13 1	3,414 9 9	1,871 10 9	16,752 11 5
e. Deputation and special allowances ...	...	...	...	1,500 0 0	...	...	...	1,500 0 0
Total B-I.	22,629 15 4	11,175 2 1	8,139 2 4	9,309 0 1	9,123 3 0	41,509 2 8	14,746 11 8	1,16,632 5 2
II.— Travelling allowances—								
a Conservators ...	1,937 8 0	...	...	...	...	...	...	1,937 8 0
b. Superior officers..	...	1,240 13 4	1,059 5 4	182 5 4	974 4 0	3,664 1 0	1,529 13 4	8,650 10 4
Subordinate for- and depôt ments ...	...	931 6 8	615 7 4	739 13 4	727 2 8	2,403 11 8	877 11 4	6,295 5 0
	213 0 10	125 15 0	153 3 0	162 3 8	147 13 4	433 3 4	137 7 6	1,372 14 8
	...10	2,298 3 0	1,827 15 8	1,084 6 4	1,849 4 0	6,501 0 0	2,545 0 2	18,256 6 0

Conservator of Forests, from 1st to 15th December 1892, drawn in Ajmere and debited to Hyderabad Assigned Districts in the India Civil

FORESTS.

g of Revenue and Expenditure of the different Divisions from April 1892 to end of June 1893—concluded.

	Direction Office.	Divisions.						Total.
		Akola.	Amraoti.	Basim.	Buldana.	Ellichpur.	Wun.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
EXPENDITURE— *concluded.*								
B.—ESTABLISHMENT— *concluded.*								
III.—Contingencies—								
a. Stationery ...	(*a*) 261 13 3	(*a*) 67 4 6	(*a*) 56 6 10	(*a*) 72 7 2	(*a*) 56 2 4	(*a*) 201 8 3	(*a*) 93 11 9	809 6 1
b. Carriage of tents and records ...	1,141 2 11	734 5 2	849 13 8	452 9 3	736 5 9	1,162 0 3	964 0 8	6,040 5 8
c. Rents, rates and taxes ..	...	..	225 0 0	...	...	375 0 0	275 0 0	875 0 0
d. Pay of police guards ...	...	...	...	...	...	...	...	...
e. Official postage...	526 14 0	179 3 0	56 12 0	142 13 0	145 8 0	462 14 0	52 5 0	1,566 5 0
f. Sundries ...	543 13 7	221 6 11	233 12 10	195 9 9	213 3 7	587 12 7	371 2 2	2,366 13 5
Total B-III ...	2,473 11 9	1,202 3 7	1,421 13 4	863 7 2	1,151 3 8	2,789 3 1	1,756 3 7	11,657 14 2
Total B, Establishments....	27,254 3 11	14,675 8 8	11,388 15 4	11,256 13 7	12,123 10 8	50,799 5 9	19,047 15 5	1,46,546 9 4
Grand Total of Expenditure	33,454 4 1	24,801 10 3	19,098 10 7	23,727 1 0	21,193 15 9	1,37,691 1 1	45,698 8 1	3,05,665 2 10
Surplus or Deficit ...	— 33,345 13 0	+ 21,818 4 4	+ 68,143 4 0	+ 24,961 7 8	19 238 12 3	+ 95,947 6 0	+ 36,081 2 2	+ 2,32,844 7 5

(*a*) Includes (Direction Division, Rs. 192-4-3, Akola Rs. 36-5-6, Amraoti Rs. 31-2-1, Basim Rs. 36-4-5, Buldana Rs. 26-2-10, Ellichpur Rs. 88-0-9 and Wun Rs. 35-3-9) cost of stationery supplied by the Superintendent of Stationery, Bombay, and debited to Hyderabad Assigned Districts, in Bombay Civil Account for March 1893 (adjusted in March final.)

COMPTROLLER'S OFFICE,
Bolarum,
The 24th August 1893.

W. DOBBIE,
Comptroller, Hyderabad.

FORESTS.

Dr.

ANNUAL FORM No. 62.—*Account current of the Forest Department, Hyderabad Assigned Districts, for the period from the 1st April 1892 to 30th June 1893.*

	Rs. a. p.	Rs. a. p.		Rs. a. p.	Rs. a. p.
To Cash Balance	...	...	By II.—*Forest (expenditure as per annual summary Form No. 61).*	3,05,665 2 10	3,05,665 2 10
„ *IX.—Forest (Revenue as per annual Summary Form No. 61).*	5,38,509 10 3		„ *Forest Cash Remittances, Local* :—		
„ *Service Funds*	...		Remittances to treasuries	5,38,202 13 7	
To Forest Cash Remittances, Local :— ..			Inter-divisional transfers	576 4 0	
Forest cheques drawn	3,01,926 11 11		Cancelled cheques	25 0 0	5,38,804 1 7
Inter-divisional transfers	576 4 0	8,41,012 10 2	„ *Advances recoverable*	1,46,043 15 1	
„ *Advances recoverable*	1,45,427 8 8		„ *Suspense (cash recoveries)*	471 7 7	
„ *Suspense (cash recoveries)*	471 7 7		„ *Account current (other Governments)* ...	354 7 3	
„ *Account current (other Governments)* ...	7,510 13 1		„ *Inter-departmental transfers*	3,334 14 6	
„ *Inter-departmental transfers*	459 9 0	1,53,869 6 4			1,50,204 12 5
			„ *Cash balance*		207 15 8
	Total ...	9,94,882 0 6		Total ...	9,94,882 0 6

W. DOBBIE,
Comptroller, Hyderabad.

FORESTS.

ANNUAL FORM No. 63 (PRESCRIBED).—*Revenue received and outstandings on account of revenue during 1892-93 (from 1st April 1892 to 30th June 1893.)*

Division.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realised during year.	Balance due to the department at end of year.
		Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs.
Direction ...	Miscellaneous other sources.	...	108 7 1	108 7 1	108 7 1	...
Ellichpur ...	Timber and other produce.	...	2,33,638 7 1	2,33,638 7 1	2,33,638 7 1	...
Amraoti ...	Do. ...	...	87,841 14 7	87,841 14 7	87,241 14 7	600
Akola ...	Do. ...	...	46,619 14 7	46,619 14 7	46,619 14 7	...
Buldana ...	Do. ...	...	40,432 12 0	40,432 12 0	40,432 12 0	...
Basim ...	Do. ...	...	48,688 8 8	48,688 8 8	48,688 8 8	...
Wun ...	Do. ...	...	81,779 10 3	81,779 10 3	81,779 10 3	...
	Total ...	...	5,39,109 10 3	5,39,109 10 3	5,38,509 10 3	600

ANNUAL FORM No. 64 (PRESCRIBED).—*Outstandings and liabilities on account of contractors and disbursers from April 1892 to end of June 1893.*

Division.	Department Debtor.			Department Creditor.			Balance due	
	At commencement of April 1892.	Recoveries in cash and value of supplies and work done from April 1892 to June 1893.	At close of June 1893.	At commencement of April 1892.	Payments made from April 1892 to June 1893.	At close of June 1893.	To Department (outstandings.)	By Department (liabilities.)
		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Akola division. ...		15,451 6 2	15,451 6 2	485 6 7	16,402 2 0	16,887 8 7	1,436 2 5	...
Amraoti „ ...		11,951 11 11	11,951 11 11	1,360 3 11	12,019 10 5	13,379 14 4	1,428 2 5	...
Basim „ ...		19,194 10 11	19,194 10 11	1,042 4 10	18,975 2 8	20,017 7 6	822 12 7	...
Bulda „ ...		14,065 10 1	14,065 10 1	1,264 11 11	13,427 15 2	14,692 11 1	627 1 0	...
Di[illegible]n „ ...		2,313 6 7	2,313 6 7	11 6 11	2,546 14 0	2,558 4 11	244 14 4	...
[illegible]ar „ ...		65,763 1 2	65,763 1 2	3,066 11 11	65,458 3 9	68,524 15 8	2,761 14 6	...
[illegible] „ ...		16,265 9 2	16,265 9 2	983 14 10	16,290 14 5	17,274 13 3	1,009 4 1	...
[illegible]al		1,45,005* 8 0	1,45,005 8 0	8,214 12 11	1,45,120* 14 5	1,53,335 11 4	8,330 3 4	...

nce between the figures of this statement and those of Form No. 62 against advances recoverable (receipts and payments) tion book and building advances being included in the latter.

W. DOBBIE,
Comptroller, Hyderabad.

393.

o. 65 (PRESCRIBED).—*Financial results of the year 1892-93 (from 1st April 1892 to 30th June 1893.)*

on.	Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	...	...	108	17,618	15,836	108	33,454
...	...	...	2,33,638	80,374	57,317	2,33,638	1,37,691
...	...	...	87,242	9,811	9,288	87,242	19,099
...	...	...	46,620	12,610	12,192	46,620	24,802
...	...	...	40,433	11,132	10,062	40,433	21,194
...	...	...	48,688	11,806	11,921	48,688	23,727
...	...	...	81,780	18,623	27,075	81,780	45,698
l ...	...	...	5,38,509	1,61,974	1,43,691	5,38,509	3,05,665

FORESTS.

APPENDIX A.—*Statement of expenditure incurred in the Public Works Department on roads and tanks in the Melghat-Ellichpur Division, during the years 1874-75 to 1892-93 inclusive.*

	Total expenditure from 1874-75 to 1891-92.			Expenditure in 1892-93.		Total expenditure.		
	Rs.	a.	p.	Rs.	a.	Rs.	a.	p.
I.—ROADS.								
Ellichpur-Pili road	3,38,484	0	0	...		3,38,484	0	0
Ghatang-Chikalda road...	21,425	0	0	...		21,425	0	0
Gugumal forest road	4,59,969	2	6	...		4,59,969	2	6
Pili-Kalamkar road	3,500	0	0	...		3,500	0	0
Total ...	8,23,378	2	6	...		8,23,378	2	6
II.—ANICUTS.								
Burudghat	2,265	1	11	...		2,265	1	11
Tilona	1,905	0	3	...		1,905	0	3
Bori	1,292	12	2	...		1,292	12	2
Motha	1,025	0	9	...		1,025	0	9
Pastalai	914	1	4	...		914	1	4
Baramtana	1,527	1	2	...		1,527	1	2
Telghat	1,521	10	7	...		1,521	10	7
Tonapur	1,263	13	1	...		1,263	13	1
Chichkhera	1,546	14	7	...		1,546	14	7
Tekra	3,519	7	2	...		3,519	7	2
Ambari	782	3	2	...		782	3	2
Apar	573	3	7	...		573	3	7
Pipalkhera	908	9	2	...		908	9	2
Dhargarh	1,717	5	7	...		1,717	5	7
Mondra	3,018	2	1	...		3,018	2	1
Paluta	3,983	15	5	...		3,983	15	5
Patuna	1,334	7	4	...		1,334	7	4
Patulda	3,784	0	0	...		3,784	0	0
Takri	...			...		...		
Total ...	32,882	13	4	...		32,882	13	
III.—DAMS.								
Dam at Dhamangaon	13,487	13	9	...		13,48		
Do. at Ghatang	13,847	14	2	...		13,8		
Bir dam at Chikalda	27,980	4	7	...		27,9		
Total ...	55,316	0	6	...		5		
IV.—TANKS.								
Mardi	37,216	0	0	...				

Extract from the Proceedings of the Resident at Hyderabad, No. 4215, dated Hyderabad Residency, the 13th December 1893.

READ—

The Report on the Forest Administration of the Hyderabad Assigned Districts during the year 1892-93.

ORDER.

The Conservator's report was received in the Resident's office within the prescribed time. It has been so fully reviewed by the Commissioner that but little more remains to be said.

2. *Extension and constitution of State-forests.*—The Berar Forest Law was brought into operation on the 15th June 1892, and State-forests are now classified as follows:—

	Square miles.
Class A reserved for timber and fuel ...	1,322
„ B „ fodder and thatching grass	63
„ C „ pasture	1,598
„ D „ a temporary class ...	1,250
Total ...	4,233

Of the lands in the D Class it is anticipated that about 1,000 square miles will be distributed between Classes A and C and the balance restored to ordinary revenue control. The area occupied as "Forest" will then stand at about 3,983 square miles, or 23 per cent. of the total area of the province. In the table in paragraph 2 of the report the expressions "District reserves," and "District unreserved forests" are used in describing the new classification, but their meaning is not understood. The forests in Class C should always be entered as the two divisions assigned to them. The omission to make this distinction renders it difficult to follow the progress made in the preparation and completion of working plans, for the Resident does not know to which class of C forest the 975 square miles dealt with belong. The question raised in paragraphs 4, 5, and 6 of the Commissioner's review as to the importance of extending forests of Class B and of restricting the area of lands reserved for mere grazing requires to be worked out by the responsible local authorities in connection with the system of management to be applied to both divisions of State-forest in Class C. While reserving his opinion until proposals come before him in a definite shape, the Resident inclines to the view that the area of forests of Class B is sufficient.

3. *Working of the year.*—Much work has been done in the construction of roads, building and wells, but although the Resident appreciates the advantage of opening out the several forests in the Melghat, the money at his disposal is insufficient to admit of their being very rapidly developed. Progress in so far as it depends on limited funds can only be gradual, and it rests with the Conservator to arrange that those works which are most needed are undertaken

...sults of the measures for the protection of A forest from fire are good, ...have been very good except for the serious fires in the Ambabarwa ... Akola district, and two of which were admittedly caused by the ...rdinary precautions. In Wun the number of fires was greater, and ...ed less than in 1891-92, but incendiarism is still prevalent and ... down with a strong hand. The increased care with which year ...erar forests are being administered requires that the plan of ...ions under one officer should be given up: the staff of officers ... the province is large enough to admit of this being done. ... grazing in Division I of State-forests of Class C should not, ...s, present any serious difficulty. When people get to un... ...nt of a moderate fee entitles them to graze their cattle in

any State-forest of the class in the district and that their license also gives them the run of all unoccupied Government waste and protects them from the worry of prosecutions, it seems only reasonable to anticipate that they will thankfully accept the situation. The present law does not permit the levy of a general grazing tax, such as formerly existed in Wun, and which, the Resident thinks, was imposed on a wholly unjust basis.

4. *Financial results.*—The financial results of the period, fifteen months, covered by the report have been summarized in paragraph 14 of the Commissioner's review. The surplus income as compared with that of the previous year shows a considerable fall, and the several causes through which both the amount and value of the out-turn of forest produce have decreased have been fully explained in paragraph 31 of the Conservator's report. The receipts of the year, taking only the financial year, are lower than any of the five years ending with the year of report except the year 1888-89; the disbursements are higher than those of any of the preceding five years. The expenditure on roads and buildings, useful though it has been, has, the Resident thinks, gone beyond the amount which the department can afford to spend.

5. *Notice of officers.*—Mr. Plowden fully agrees with the commendations which the Commissioner has bestowed upon Mr. Dickinson and on the several officers named in paragraph 15 of his review, and he appreciates the intimate knowledge which Colonel Mackenzie himself brings to bear on forest questions in Berar and the strong practical interest which he takes in them.

(By order.)

A. L. P. TUCKER,

Secretary for Berar.